HP2-T26

Passing Score: 800
Time Limit: 120 min

HP HP2-T26 - Servicing HP BladeSystem Solutions Exam

HP2-T26 Servicing HP BladeSystem Solutions

QUESTION 1

How does a c7000 enclosure retain air handling integrity when a server blade is removed?

A. The enclosure design uses blank panels to prevent air loss
B. A blanking panel causes the air flow to reverse, allowing warmer air to escape
C. The enclosure uses a self-closing door to prevent air loss
D. The fans increase in revolutions per minute to increase air volume

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2

Which feature of the BL465c G7 allows the server to accommodate 16 DIMM slots and retain the half-height form factor?

A. PCIe Gen 2 x8 mezzanine expansion slots
B. AMD SR5690/SP5100 chipset
C. Hot Plug Drive Drawer
D. Smart Array P410i Controller with 1GB FBWC

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
What is the maximum number of c3000 enclosures that can be installed in a 42U rack?

A. 4
B. 5
C. 6
D. 7

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Hp BladeSystem Enclosures Module 2: Seven c3000 enclosures per 42U rack is the maximum number of c3000 enclosures in a fully populated rack.

QUESTION 4
Which HP c-Class server blades take up two c3000 enclosure server bays?

A. BL860c

B. BL870c
C. BL685 G7
D. BL490 G6

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
The Integrity BL870c i2 serverblade is a full-height, double-wide form factor server blade that occupies two device bay slots in a BladeSystem enclosure.

QUESTION 5
Technician is installing HP ProLiant servers at different customer sites. Since the technician wants to have the ProLiant equipped with the latest firmware level available, what is the best solution?

A. Before going onsite, the technician should download the latest SmartStart Firmware CD and use this SmartStart Firmware CD for deploying the latest firmware.
B. The technician should download the latest SmartStart firmware CD and add the firmware releases published after the release of the latest SmartStart Firmware CD to the \compaq\swpackages on the CD-ROM.
C. The technician should create a bootable USB stick containing the latest SmartStart Firmware CD and add the firmware releases published after the release of the latest SmartStart Firmware CD to the \compaq \swpackages on the USB stick.
D. Before going onsite, the technician should download the latest SmartStart Firmware CD. The technician should download the firmware releases published after the release of the latest SmartStart Firmware CD and save these images on floppies. The SmartStart Firmware CD and downloaded images on floppy are used for deploying the latest firmware.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
APS Servicing BladeSystems 9.3.1 Student Guide: Using HPSUM

QUESTION 6
Which mezzanine card is compatible with the HP ProCurve 6120XG interconnect?

A. HP NC326m PCIe Dual-Port 1Gb Server Adapter
B. Emulex LPe1105-HP 4Gb Fibre Channel HBA
C. HP 4X QDR IB CX-2 Dual Port Mezz HCA for HP BladeSystem c-Class
D. HP StorageWorks 80GB IO Accelerator for BladeSystem c-Class

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
HP BladeSystem c-Class Ethernet network adapters Family data sheet:

Supported interconnects:

HP Virtual Connect Flex-10 10Gb Ethernet Module (455880-B21)
HP 1/10Gb Virtual Connect Ethernet Module (399593-B22)
HP 1/10Gb-F Virtual Connect Ethernet Module (447047-B21)

HP ProCurve 6120XG Blade Switch (516733-B21)
HP ProCurve 6120G/XG Blade Switch (498358-B21)
Cisco Catalyst Blade Switch 3120G for HP (451438-B21)
Cisco Catalyst Blade Switch 3120X for HP (451439-B21)
Cisco Catalyst 3020 Blade Switch (410916-B21)
HP GbE2c Layer 2/3 Ethernet Blade Switch (438030-B21)
HP 1Gb Ethernet Pass-Thru Module (406740-B21)
HP 10GbE Pass-Thru Module (538113-B21)

QUESTION 7
When you try and boot a previously installed operating system, a BL495c G6 Server Blade freezes. What is the first step you should take when troubleshooting this problem?

A. Load and try to boot the latest SmartStart CD.
B. Use iLO to access the Integrated Management Log (IML) of the failing server blade.
C. Load and try to run the HP Insight Diagnostics Online Edition.
D. Use iLO to access the enclosure Onboard Administrator.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Troubleshooting HP BladeSystem Mod9: Flow Chart Page 9-24

QUESTION 8
A system engineer is onsite and wants to help the customer select the appropriate services for his BladeSystem solution. Which HP resource should the system engineer use?

A. HP BladeSystem Sizer
B. HP Insight Remote Support
C. HP Care Pack Selector Tool
D. HP Service Calculator

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
With HP Care Pack services for servers, your customers can select:
» Extended warranty coverage
» Multiple coverage levels to meet various response time needs with next-businessday response, six hour call-to-repair and 24x7 coverage
» Support Plus and Support Plus 24 provide an integrated set of both hardware and software support services offered in a single package
» Consistent levels of support on hardware, network components and system software, starting at purchase
» Consistent, predictable coverage with a service network of more than 38,000 technicians and professionals in over 160 countries

QUESTION 9
How many Flex-NICs can be configured on a BL685c G6, assuming no network mezzanine boards are installed?

A. 2

B. 4
C. 8
D. 16

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
HP ProLiant BL685c G6 Server Blade Data sheet:

Two integrated dual-port 10 Gb Ethernet server
adapters with HP Virtual Connect Flex-10 technology
enable up to 16 ports of Ethernet connectivity, reducing
the need to add costly adapters, switches, or cables

QUESTION 10
How does a c7000 enclosure retain air handling integrity when a fan is removed?

A. The enclosure design uses blank panels to prevent air loss.
B. A blanking panel causes the air flow to reverse, allowing warmer air to escape.
C. The enclosure uses a self-closing door to prevent air loss.
D. The fans increase in revolutions per minute to increase air volume.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Fan louvers automatically open when a fan is installed and automatically close when the fan is removed. When a fan is installed into the enclosure, the server blade in the enclosure activates a lever that opens a door on the fan assembly to allow air to flow through the server blade.

QUESTION 11
A customer is installing a new drive in a BL460c Gen8. None of the LEDs on the drive are lit. What is a possible cause?

A. The customer used a third party drive.
B. Dynamic Power Saving disables LEDs.
C. The backplane port is disabled in system ROM.
D. There is no activity on the drive.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
One or more of the following conditions may exist:
*The drive is not configured as part of an array
*The drive is configured as part of an array, but it is a replacement drive that is not being accessed or being rebuilt yet
*The drive is configured as an online spare

QUESTION 12
An HP ProCurve 6120G/XG Ethernet Blade Switch has a blinking amber LED for 10/100/1000 port 1. What does this indicate?

A. network link fault
B. link activity at 1 Gb/s
C. prefailure warning
D. switch failure

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Port 1–4 port status
Green = Port is connected to the network
Amber = Fault (solid)
Off = Not connected

Port 1–4 link/activity
Green flashing = 10/100 activity

Port 1–4 link/activity
Amber flashing =1000 activity

QUESTION 13
In a c7000 enclosure, you notice a fan LED flashes amber for about eight seconds and then returns to green. What does this indicate?

A. The fan is overheating.
B. The fan has failed.
C. The fan speed was changed.
D. The fan firmware was updated.

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
Procedures: Fan LED is flashing amber

Step Fan LED is flashing amber action and verification
Step 1 Action
Wait for ten seconds, and then verify that the fan firmware is not being updated for the suspect fan.

Verification
If the fan LED continues to flash amber for longer than ten seconds, then continue to the next step.
If the fan LED changes to solid green, then no further action is needed.

QUESTION 14
Which memory tests can be run using HP Insight Diagnostics Offline Edition? (Select three.)

A. Quick
B. Complete
C. Custom
D.

Correct Answer: ABC

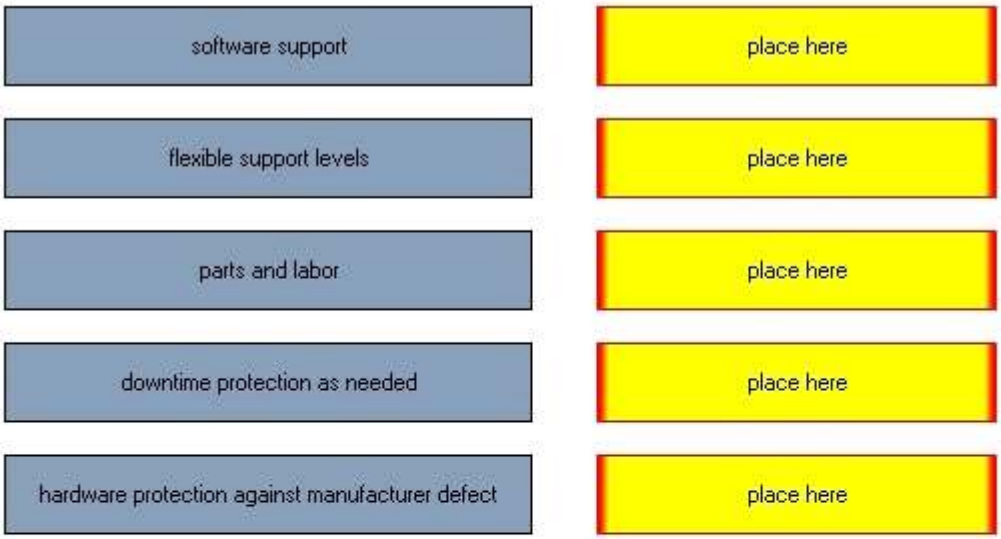
Section: (none)
Explanation

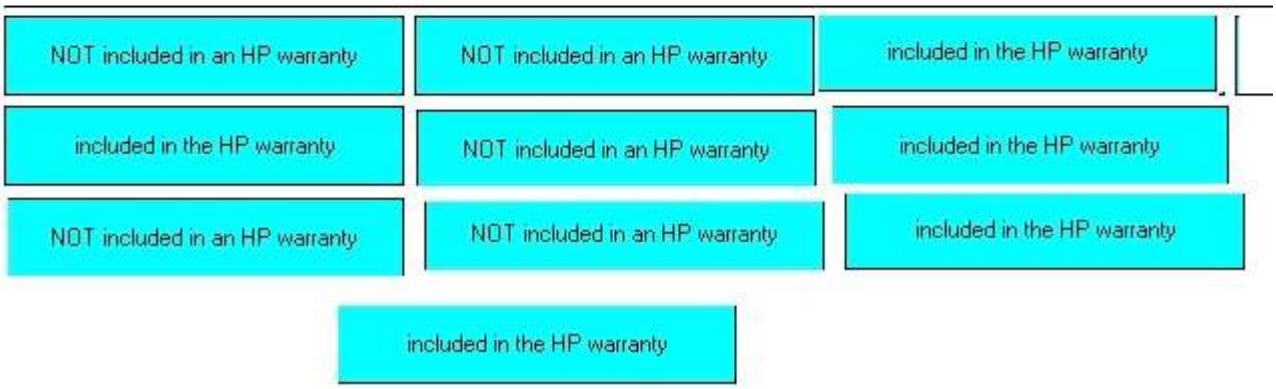
Explanation/Reference:
Using HP Insight Diagnostics Offline (SmartStart) Edition

The Test tab provides a set of tests that allow you to test the whole server or individual components.The Insight Diagnostics Test feature lets you test the functionality of all the major hardware components in the system. The Test feature lets you customize test selections by providing the following modes and types of testing:

 Quick Test —Provides a predetermined script where a sample of each hardware component is exercised. This test requires no user intervention.
 Complete Test —Provides a predetermined script where each hardware component is fully tested.
 Custom Test —Provides the most flexibility in controlling the testing of the system. The Custom Test mode lets you select which devices, tests, and test parameters to run.
 Interactive Mode—Runs all tests, some of which require user responses.
 Unattended Mode—Requires no user action. Tests that require user action are not executed.

QUESTION 15
DRAG DROP
Indicate what is included in an HP warranty.




NOT included in an HP warranty
NOT included in an HP warranty
included in the HP warranty
included in the HP warranty
NOT included in an HP warranty
included in the HP warranty
NOT included in an HP warranty
NOT included in an HP warranty
included in the HP warranty
included in the HP warranty

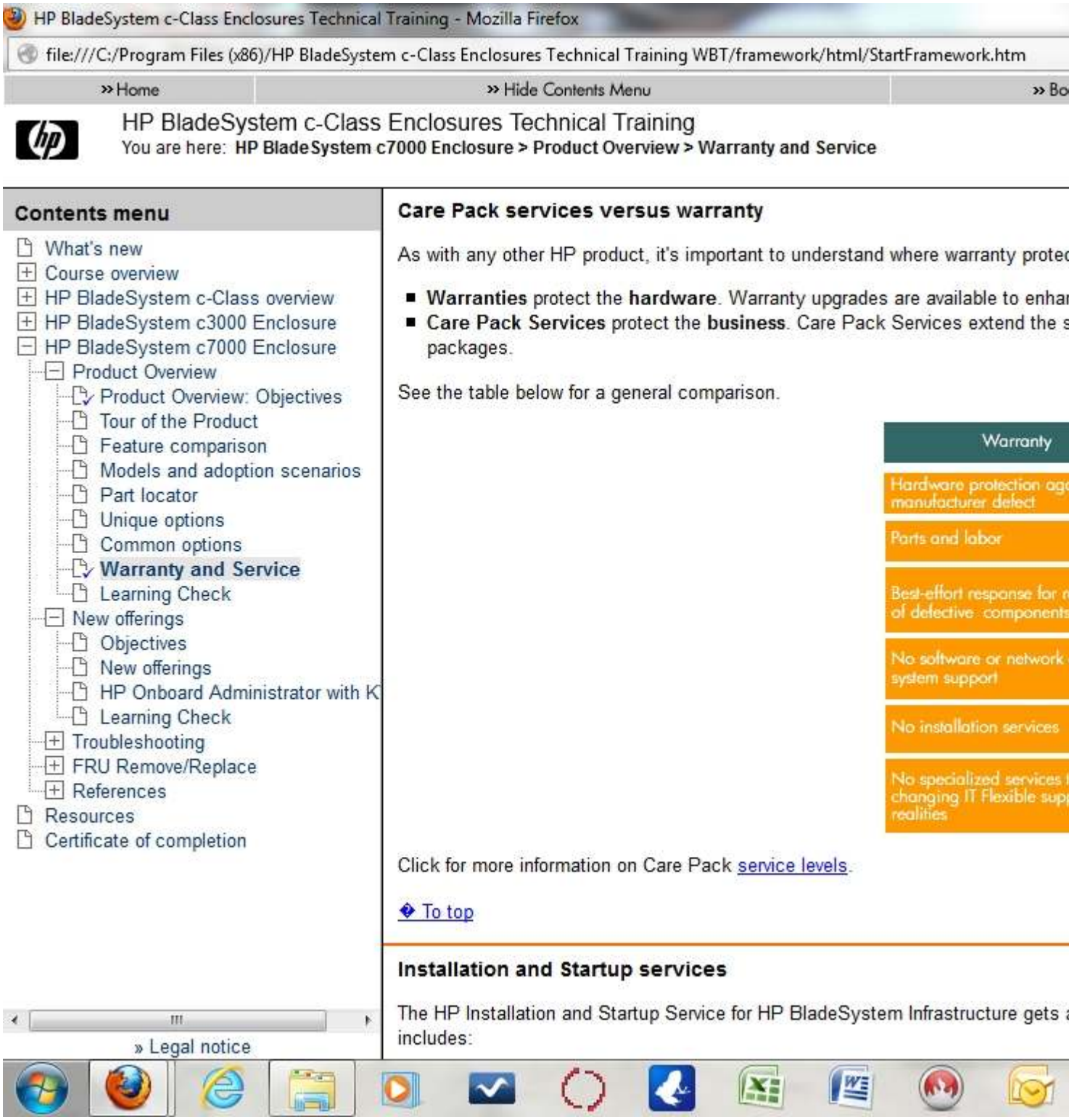
Answers:
Software Support>>>>>>>>>>>>>>>>>>>>>>>>>> Not Included In An HP Warranty
Flexible Support Levels>>>>>>>>>>>>>>>>>>>>>> Not Included In An HP Warranty
Parts and Labor>>>>>>>>>>>>>>>>>>>>>>>>>>> Included In An HP Warranty
Downtime Protection As Needed>>>>>>>>>>>>>>> Not Included In An HP Warranty
Hardware Protection Against Manufacturer Defects>> Included In An HP Warranty

Select and Place:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:



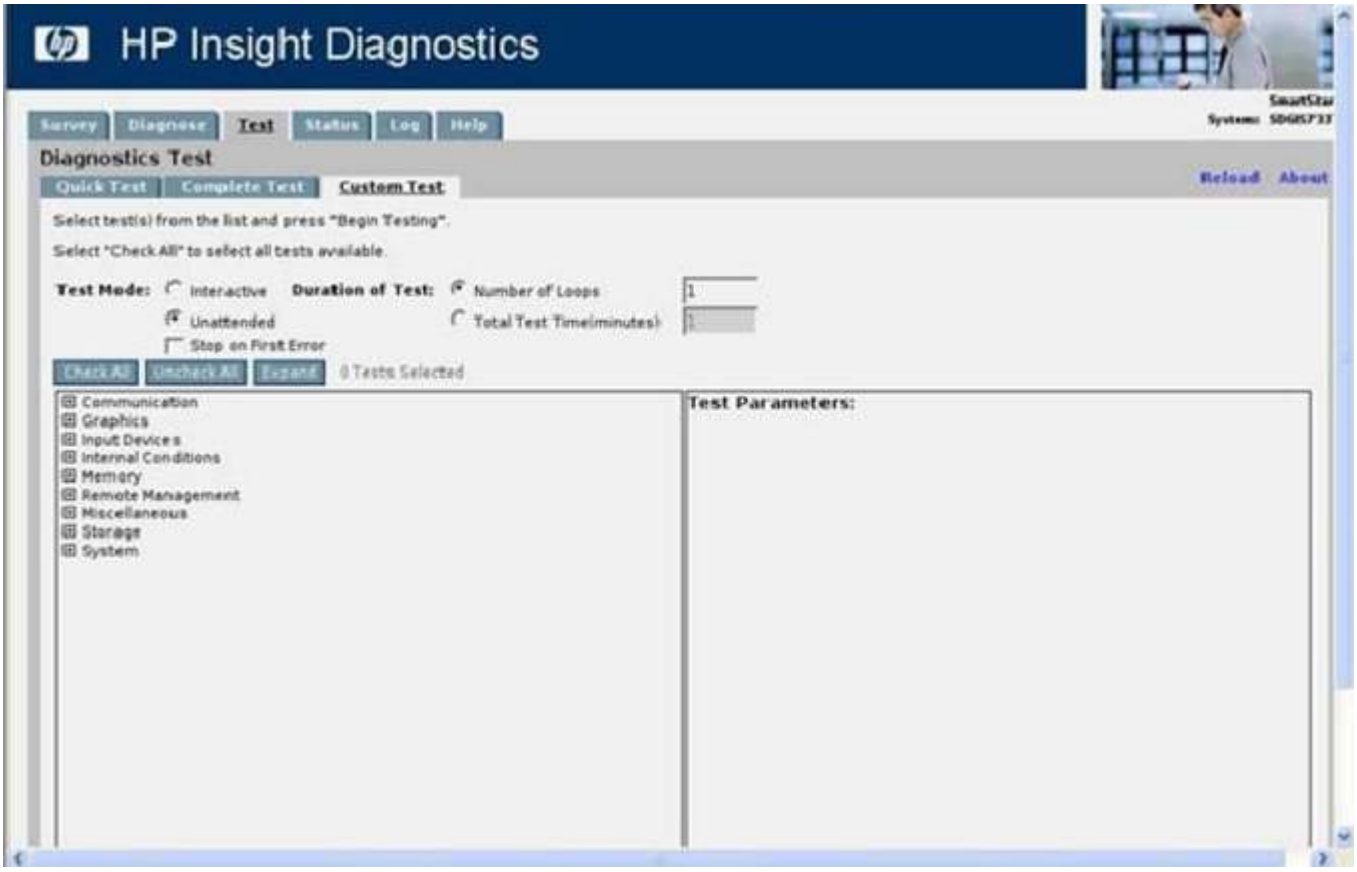
QUESTION 16
After replacing a defective memory module, you boot the latest version of SmartStart so you can run a custom diagnostic test to ensure that previous problems have been resolved. After loading HP Insight Diagnostics, which tab should you choose to set up a user-defined memory test?

A. Complete Test

B. Diagnose
C. Quick Test
D. Custom Test

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Figure 3-6 Test tab – Complete Test



The Status tab displays test progress. The logs, on the Log tab, display detailed test results.

Running a Custom Test
1. Click **Custom Test**.
2. Select the test mode:
• **Interactive** runs all tests, some of which require user input.
• **Unattended** runs the tests that do not require user input.
3. Select the test duration:
• **Loops** runs the test for the specified number of test cycles.
• **Total Test Time (minutes)** runs the test for the specified length of time.
4. Click **Stop on First Error** to stop all tests if an error occurs.
5. Select the device and tests:
• Click **Check All** to run all device-specific tests.
• Click **Uncheck All** to clear any check boxes that are selected.
• Click **Expand** to view the available device-specific tests, and then select the check box for tests to run. Click on the test to enable any parameter updates/changes. Edits to the parameters can be made in the window on the right of the screen.

6. Click **Begin Testing**.

QUESTION 17
How can a ProLiant server running Linux be rebooted from a remote location?

A. clicking on Start and then clicking on Shut Down in the remote iLO console screen
B. using the virtual power off button of the iLO
C. using the command shutdown now -h in the remote iLO console screen
D. using the command init 6 in the remote iLO console screen

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
init
Commonly used in Linux/UNIX platoroms to change the runlevel.
/sbin/**init 6** (This would restart the system)

QUESTION 18
Which feature is supported by the zx2 chipset in the Integrity BL860c?

A. hot spare and hot-plug of memory DIMMs
B. up to 512GB of memory (not fully buffered DIMMs)
C. memory DIMM error correction (chip sparing)
D. 512-bit, 800MHz (800 MT/s, 1600MHz data rate) memory bus

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
The BladeSystem c-Class Integrity BL870c server blade with the Intel 9100N series and HP zx2 chipset supports:

For processors

 Up to four Intel Itanium 9100N dual-core (DC) 1.60GHz processors, with up to 24MB L3 cache (1.2MB core L2 cache)
 The FSB operates at 267MHz, and since data can be transferred on each clock edge, the data transfer rate is 533 MTransfers/s (million transfers per second), peak data bandwidth approximately 8.2GB/s
 Processor kit SKUs are:
 1.60GHz/24MB Dual Core, at 533MTs/267MHz FSB (DBS)
 1.60GHz/18MB Dual Core, at 533MTs/267MHz FSB (DBS)
 1.42GHz/12MB low cost Dual Core, at 533MTs/267MHz FSB (no DBS

For memory

 Up to 96GB of memory (not FB-DIMMs):
 24 PC2-4200 chip spare DDR2 DIMMs via memory expanders to the zx2
 128-bit, 267MHz (533 MT/s, i.e. 533 MHz data rate) memory bus
 Hot spare and hot-plug not supported

Double Chip Sparing

The zx2 chip provides memory DIMM error correction for up to 8 bytes of a 128 byte cache line, during cache line misses initiated by processor cache controllers, and by Direct Memory

Access (DMA) operations, initiated by I/O devices. This feature is called double chip sparing, as 2 of 72 total DRAMs in a rank can fail without any loss of server blade performance.

QUESTION 19
Which processor type is used with the HP BL460c G6 Server Blade?

A. Dual-Core Intel® Itanium® Processor
B. Intel® Xeon® Processor
C. HP PA-RISC FSB, double data rate
D. AMD Opteron processor

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
The HP ProLiant BL460c Gen8 server blade offers a balance of performance, scalability, and expandability, making it a standard for data center computing. This server blade features two eight-core **Xeon** processors with the Intel C600 series chipset.

QUESTION 20
What is needed to connect a Windows-based laptop to the c7000 or c3000 enclosure service port and successfully communicate with the Onboard Administrator?

A. a laptop with the network interface set to DHCP and a null modem cable
B. a laptop with the network interface set to DHCP and a standard CAT5 patch cable
C. a laptop with the network interface set to an address in the 192.168.1.x range and a CAT5 crossover cable
D. a laptop with the network interface set to an address in the 192.168.1.x range and a standard CAT5 patch cable

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
BladeManagement and Configuration Module 7 Rev.12.31:

All BladeSystemenclosures support two enclosure link connectors that provide private communications amongenclosures linked with a CAT5 cable. In addition, the enclosure up-link connector provides an enclosureservice port that enables you to temporarily connect a laptop or personal computer to any linked enclosureOA modulefor local diagnostics and debugging.

QUESTION 21
Which connectivity type is supported to access Systems Management Architecture for the Server Hardware (SMASH) Command Line Protocol? (Select three.)

A. Telnet
B. SSH
C. Serial
D.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

Telnet (SMASH/CLP) 50023 (default) Telnet command-line interface using SMASH/CLP
SSH (SMASH/CLP) 50022 (default) Secure Shell (SSH) command-line interface using SMASH/CLP

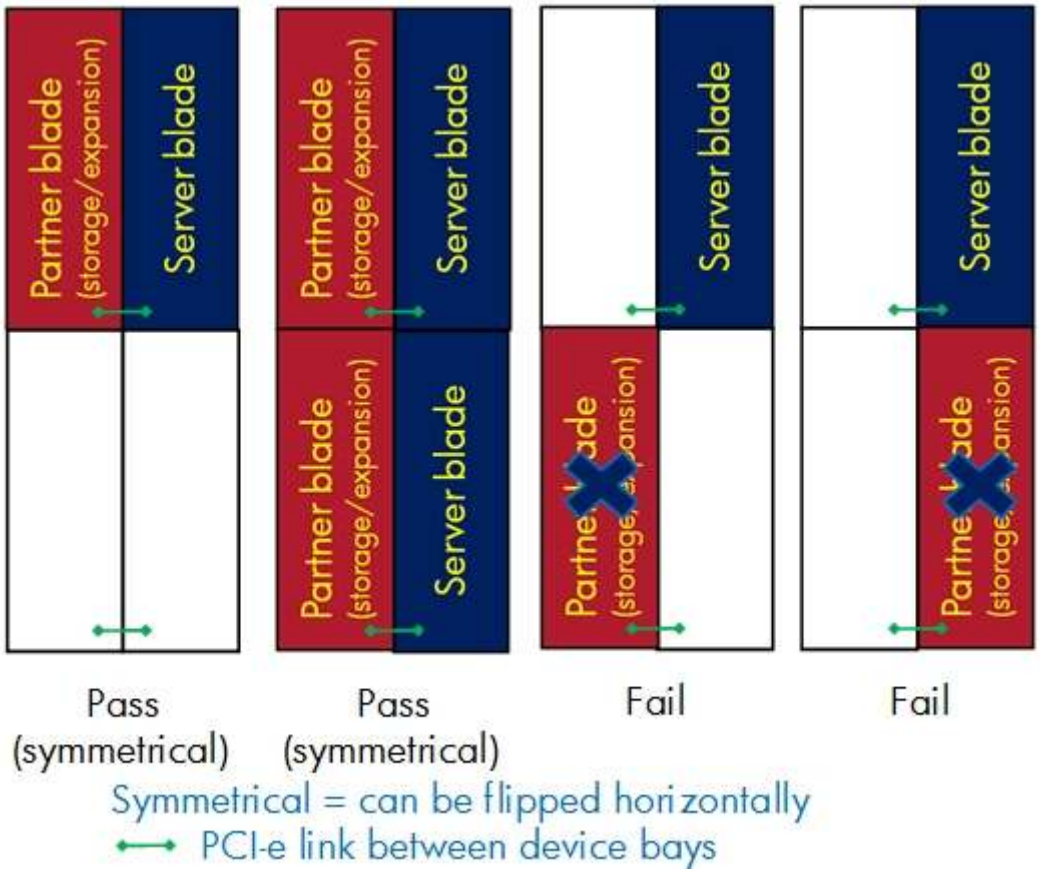
Can't verify the third connectivity type

QUESTION 22
What is the maximum number of SB1760c Tape Blades that can be installed in a c7000 blade enclosure?

A. 16
B. 8
C. 4
D. 2

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
c7000 enclosure placement rules –Half-height server blades



QUESTION 23

HOTSPOT
Click on the component that provides remote enclosure management in c-Class enclosures.

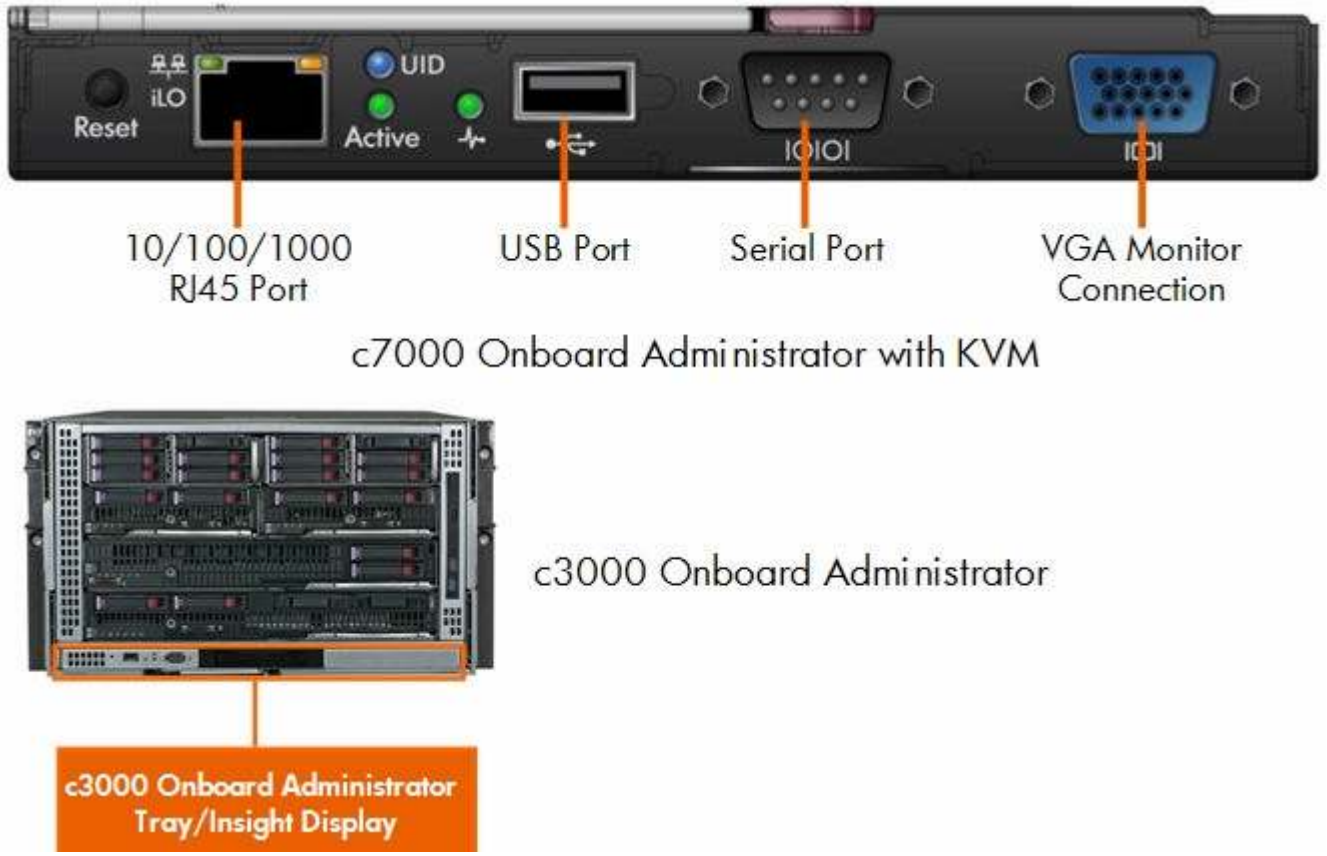
Answer:

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:



The Onboard Administrator can be managed locally, remotely, and through HP SIM tools. The Onboard Administrator also provides local and remote management capability through the Insight Display and browser access.

QUESTION 24
What happens when you turn the enclosure UID to "On" on the Insight Display of a c7000 enclosure?

A. The rear enclosure UID LED illuminates and the color of the Insight Display changes to blue.
B. The front enclosure UID LED illuminates and the color of the Insight Display changes to blue.
C. The rear enclosure UID LED illuminates and the color of the Insight Display changes to green.
D. The front enclosure UID LED illuminates and the color of the Insight Display changes to green.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
Which HP BladeSystem component is used for power allocation and control for all blades and interconnects?

A. Rack and Power Manager

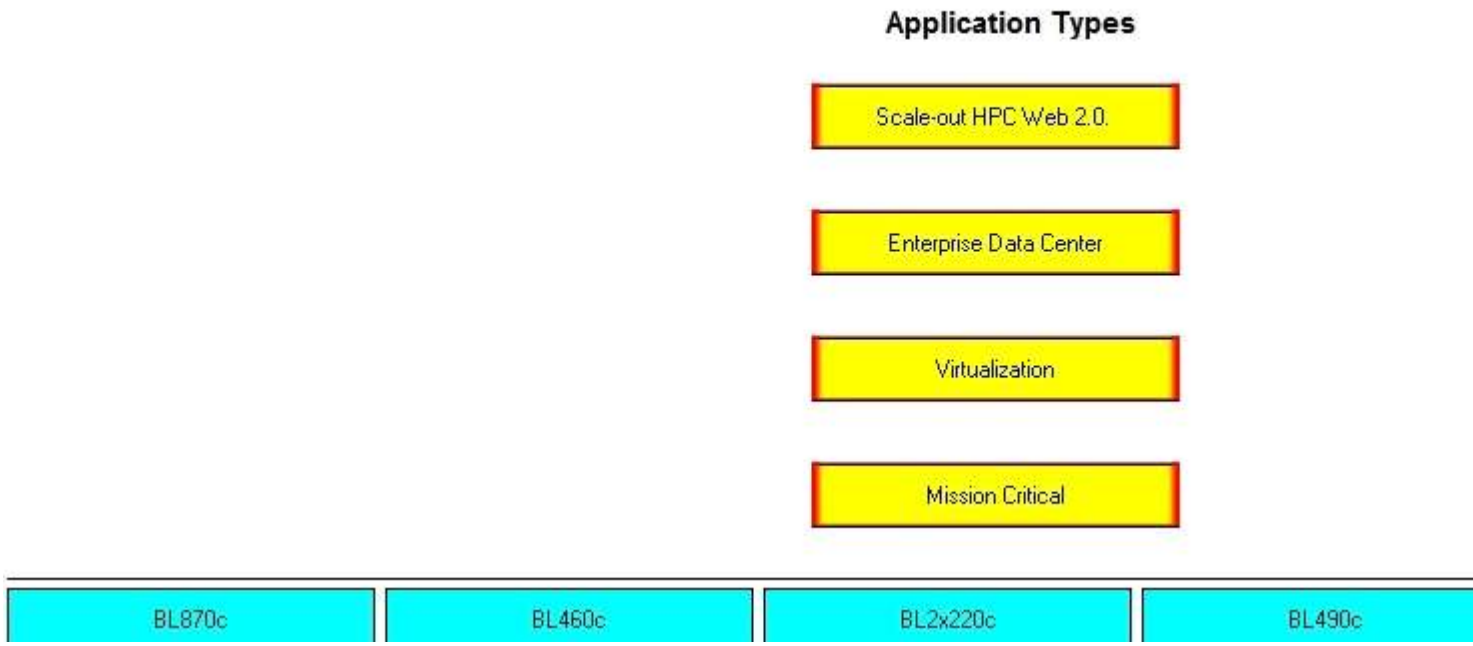
B. Power Manager
C. Onboard Administrator
D. Insight Display

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
BladeSystem Management and Configuration Module 7 Rev 12.31
Features of OA include:
 Power allocation and control for all blades and interconnects

QUESTION 26

DRAG DROP
Place each server blade on its recommended application type.



Answer:
BL870C>>>>>>Mission Critical
BL460C>>>>>>Enterprise Data Center
BL2x220C>>>> Scale-out HPC Web.20
BL490C>>>>>>Virtualization

Select and Place:

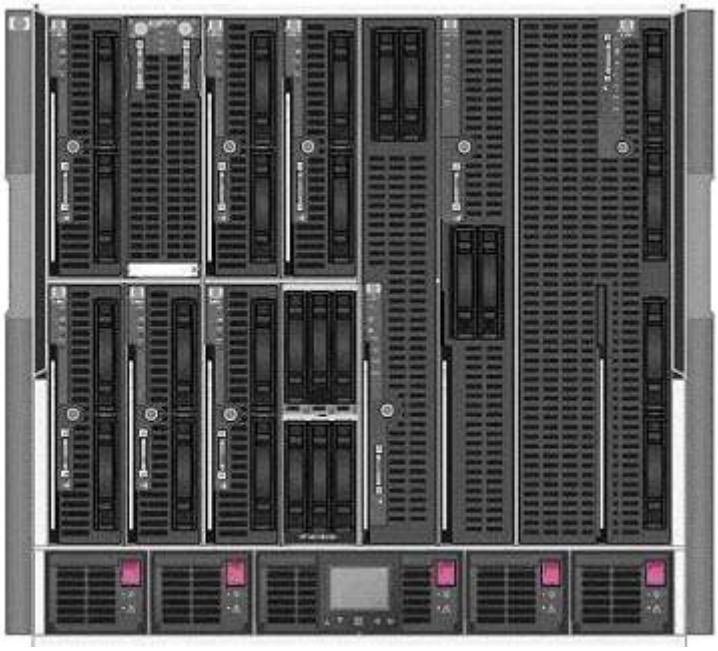
Correct Answer:

Section: (none)
Explanation

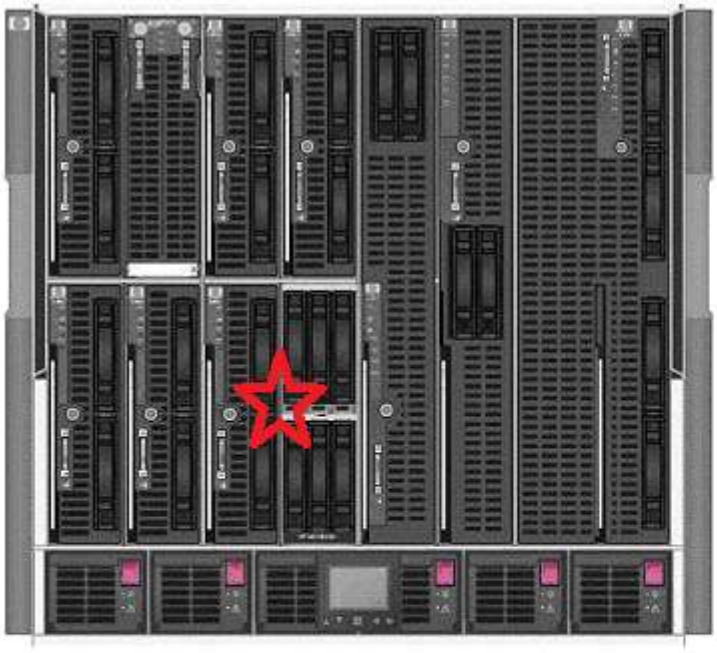
Explanation/Reference:
HP BladeSystem Portfolio Introduction Module 1 Rev 12.31

QUESTION 27

HOTSPOT
Click on the SB600c All-in-One Storage Blade in the graphic.



Answer:



Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

SB600c

QUESTION 28
Which HP blade comes with a license for Microsoft Cluster Server (MSCS)?

A. BL490c
B. BL870c
C. X3800sb
D. xw2x220c

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
QuickSpecs HP X3800sb Network Storage Gateway Blade
The X3800sb also includes a Microsoft Cluster Server (MSCS) license and Microsoft iSCSI Software Target.

QUESTION 29

DRAG DROP
Place the preventive measure steps in the correct order.

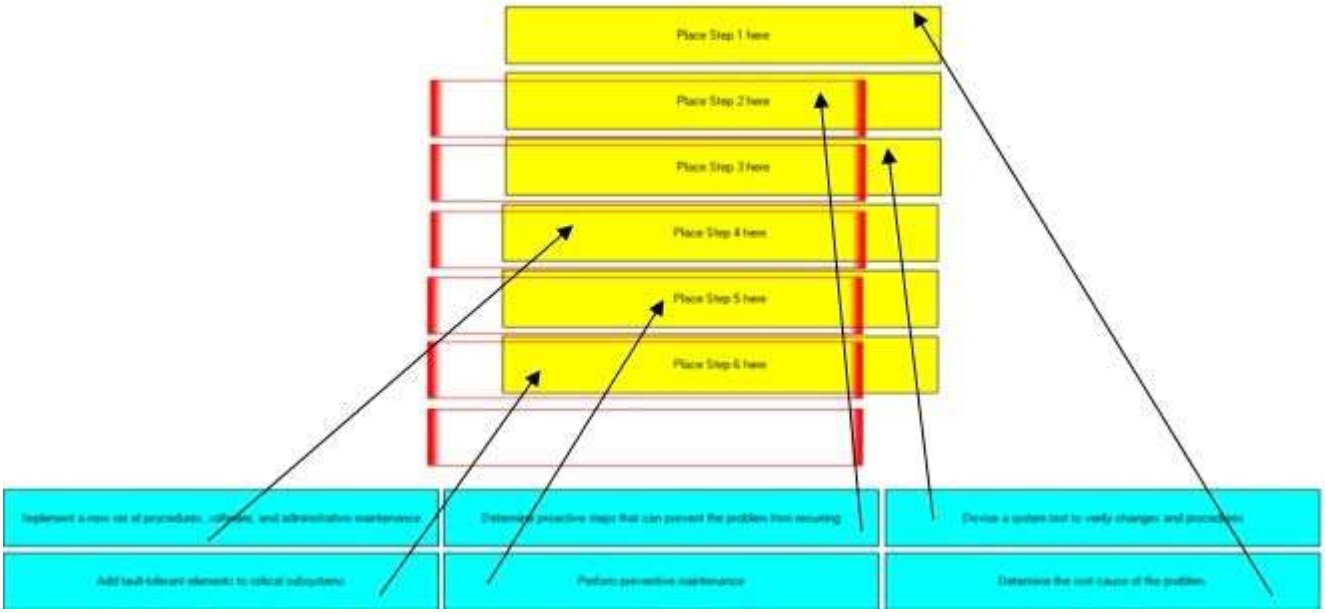
Implement a new set of procedures, software, and administrative maintenance
Determine proactive steps that can prevent the problem from recurring
Add fault-tolerant elements to critical subsystems
Perform preventive maintenance

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:



QUESTION 30
Which utilities can be used to scan for malware on a Windows server? (Choose two.)

A. Ad-Aware
B. Postfix
C. Microsoft Network Monitor
D. Spybot

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Malware Utilities:

Spybot - Operating system: Windows 95/NT/98/Me/2000/XP/2003/Vista/Server 2008/7

Ad-Aware - Supported Operating Systems:• Windows XP SP2+ (32- & 64-bit) • Windows 2003 Server SP1+ (32- & 64-bit)
• Windows Vista, Vista SP1+ (32- & 64-bit) • Windows 7 (32- & 64-bit) • Windows Server 2008+ (32- & 64-bit)

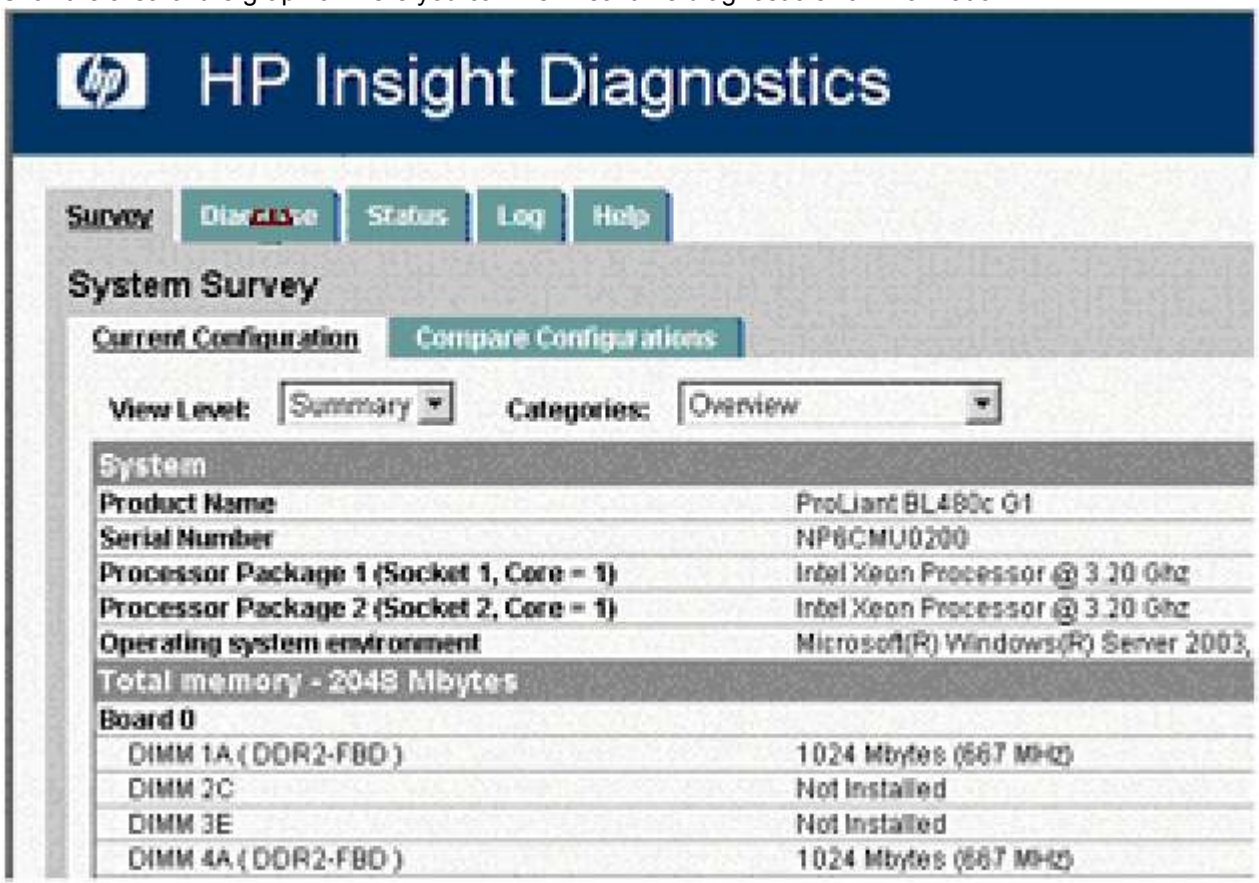
QUESTION 31
When should a performance baseline be captured?

A. after the initial installation of the equipment, during normal daily operation
B. after the initial installation of the equipment, during peak operating conditions
C. before and after each step of the initial installation of the equipment
D. three times a day during the first week following the initial installation of the equipment

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
HOTSPOT
Click the area of the graphic where you can view real time diagnostic error information.



Answer:

HP Insight Diagnostics
Survey
Diagnose
Test
Status
Log
Help
Log
Diagnosis Log
Test Log
Error Log
Integrated Management Log
Reload
About
Device, Test
Number of Times Tested
Failed Count
Test Time
Last Completion
Serial Port 0 - Register Test
USB Device 1 - Root Hub Detect Test
USB Device 3 - Root Hub Detect Test
USB Device 6 - Root Hub Detect Test
USB Device 7 - Root Hub Detect Test
USB Device 8 - Root Hub Detect Test
USB Device 9 - Root Hub Detect Test
Network Controller 0, Slot 0 - MAC Address Verification Test
Serial Port 0 - Internal Loopback Test
Network Controller 1, Slot 0 - MAC Address Verification Test
Network Controller 2, Slot 2 - MAC Address Verification Test
Processor Package 1 (Socket 1, Core = 4) - Cache Test
PCI Bus 0 - Read Test
PCI Bus 1 - Read Test
PCI Bus 2 - Read Test
PCI Bus 3 - Read Test
PCI Bus 4 - Read Test

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:
Integrated Management Log

The IML records hundreds of events and stores them in an easy-to-view form. **The IML timestamps each event with 1-minute granularity**. You can view recorded events in the IML in several ways, including the following:

From within HP SIM ("HP Systems Insight Manager")
From within Survey Utility
From within operating system-specific IML viewers
For NetWare: IML Viewer
For Windows®: IML Viewer
For Linux: IML Viewer Application
From within the iLO and iLO 2 user interface
From within HP Insight Diagnostics

QUESTION 33
Which HP Insight Diagnostics log displays POST errors?

A. Test Log
B. Error Log
C. Integrated Management Log (IML)
D. Sys Log

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Integrated Management Log displays **POST errors** and diagnostic errors. The IML records system events, critical errors, power-on messages, memory errors, and any catastrophic hardware or software errors that typically cause a system to fail. The IML enables the manipulation of this data.

QUESTION 34
A customer is experiencing intermittent storage connectivity issues in their BladeSystem environment. After collecting the log files from the external storage system and the interconnects, you suspect the problem is in the Onboard Administrator configuration. Which step should you take next in the troubleshooting process?

A. Reset the Onboard Administrator to factory defaults.
B. Develop an optimized action plan.
C. Escalate the problem.
D. Run the First Time Setup Wizard.

Correct Answer: B
Section: (none)
Explanation

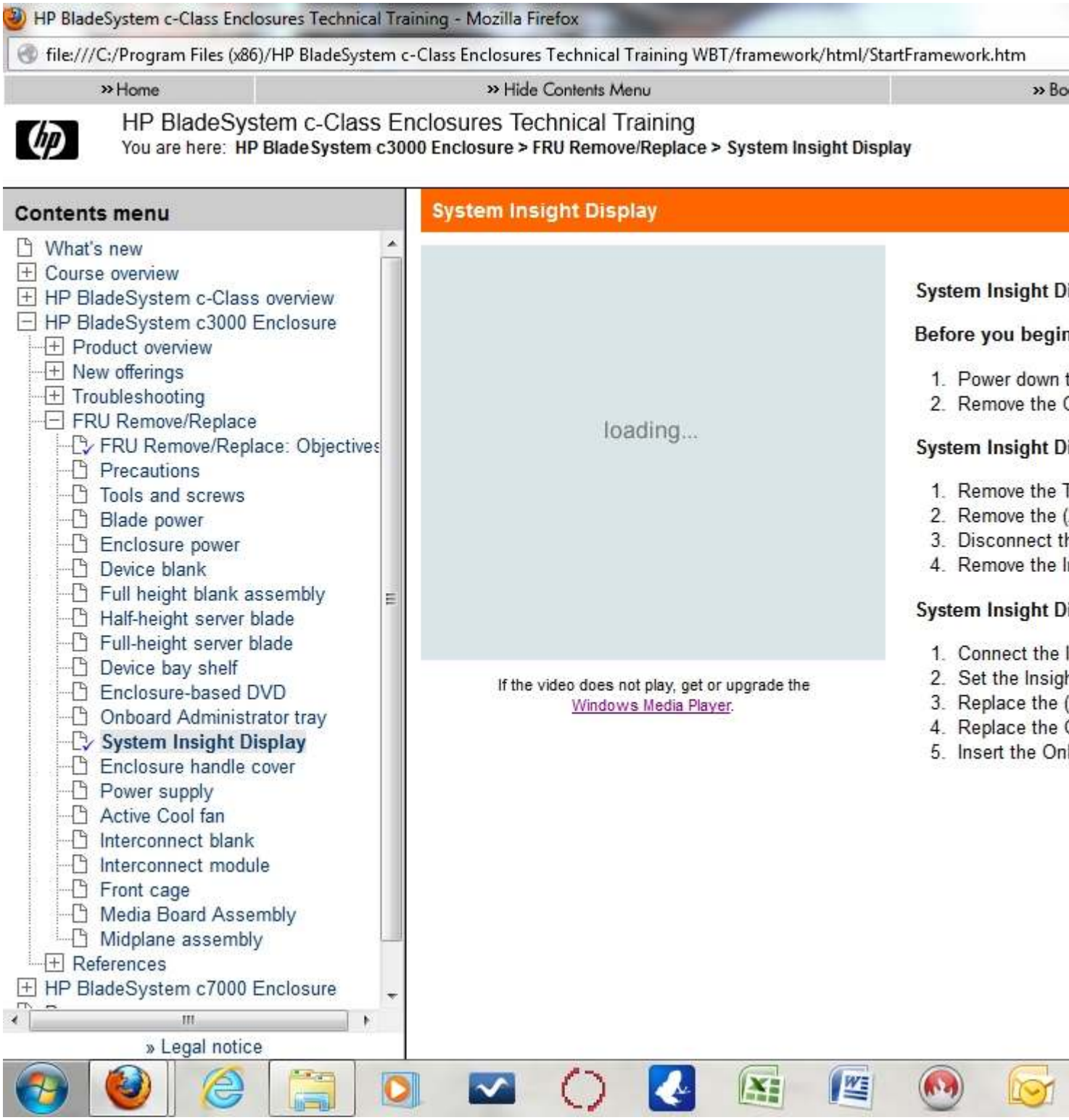
Explanation/Reference:
verify answer

QUESTION 35
A system engineer wants to replace the c3000 BladeSystem Insight Display. What must be done before the engineer can remove it? (Select two.)

A. The server blade must be removed from the bay.
B. Onboard Administrator link module must be removed.
C. The Insight Display data cable must be disconnected.
D. The Onboard Administrator tray must be removed.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:



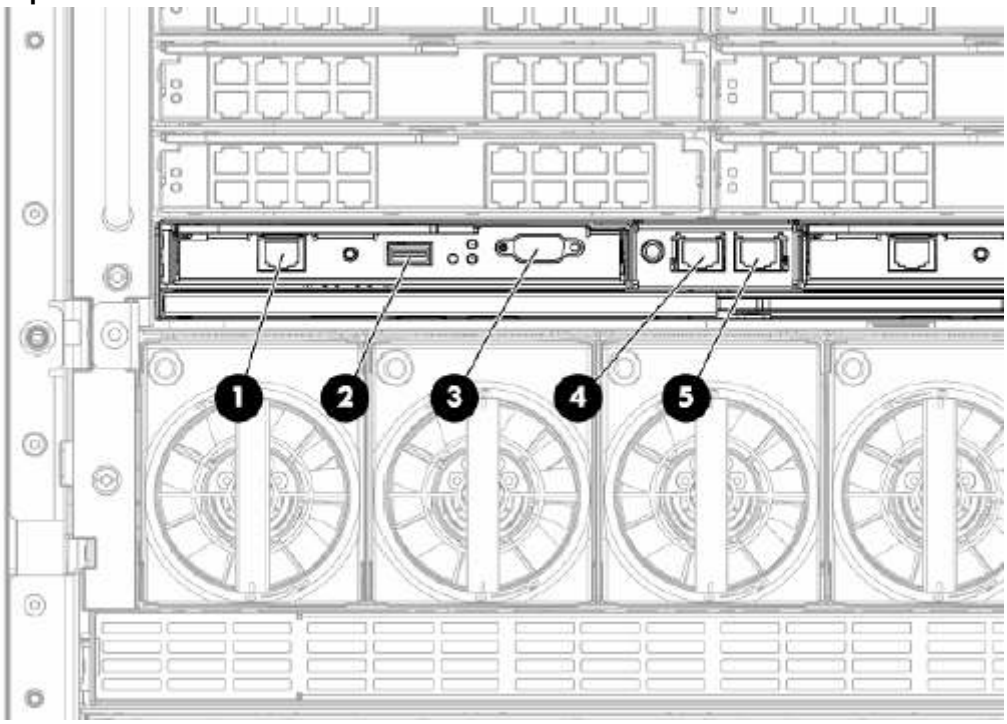
QUESTION 36
You want to connect to a ProLiant Server Blade that has the iLO port available. What must you do to connect a laptop for a direct connection to the Onboard Administrator?

A. Connect a hub/switch between the laptop and the ProLiant Server Blade iLO port.
B. Use a CAT 5 cross-over cable.

C. Use a standard CAT 5 cable.
D. Use a CAT 5e cable.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:



Item Description
1 Onboard Administrator Ethernet connection. Use a CAT-5 patch cable to connect to the management network. This is the connector for the IP address of the Onboard Administrator and for the iLO ports on each server blade.
2 USB port for an external CD/DVD drive.
3 Used for the CLI. Connects to a laptop or computer with a null-modem serial cable (RS-232).
4 Enclosure link-down port.
5 Enclosure link-up port.

QUESTION 37
Which CLI commands can be used to determine if networking has been configured properly in Windows? (Select two.)

A. netconfig
B. nestat
C. ipstat
D. ipconfig

Correct Answer: BD

Section: (none)
Explanation

Explanation/Reference:
netstat (network statistics) is a command-line tool that displays network connections (both incoming and outgoing), routing tables, and a number of network interface (network interface controller or software-defined network interface) and network protocol statistics. It is available on Unix, Unix-like, and Windows NT-based operating systems.

ipconfig (internet protocol configuration) in Microsoft Windows is a console application that displays all current TCP/IP network configuration values and can modify Dynamic Host Configuration Protocol DHCP and Domain Name System DNS settings.[

QUESTION 38
What happens during a Virtual Connect configuration restore?

A. The configuration restores without causing any service interruption to the server blades.
B. There is service interruption during the restore of the configuration.
C. A reboot of the entire enclosure is required for the new configuration to take effect.
D. A reboot of the Onboard Administrator is required in order to re-establish communication to the Virtual Connect module.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Need to verify

QUESTION 39
When performing a backup of a Virtual Connect configuration, where is the configuration file saved?

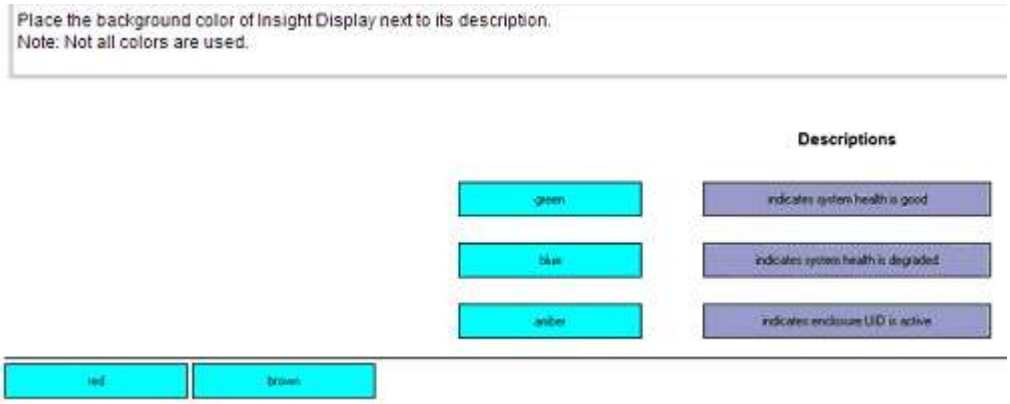
A. locally on the Virtual Connect module
B. on the redundant passive partner Virtual Connect module
C. on the local desktop of the client machine that currently has the active browser session
D. on the Onboard Administrator of the enclosure where the Virtual Connect module is installed

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Backing up the configuration
HP recommends regular backups. A backup ensures that a recent configuration is available for download to replacement switches.
Back up the configuration to an FTP/TFTP server:
 GbE2c switch — use the ptcfg command
 Cisco Catalyst 2030 switch — use the copy command
 Virtual Connect – Ethernet — at this time, backup of the VC configuration is a manual process. You can only save the configuration to a local or mapped drive and then upload to an FTP server as the next manual step.

QUESTION 40

DRAG DROP
Place the background color of Insight Display next to its description. Note: Not all colors are used.



Answer:
Green>>>>>>>Indicates System Health Is Good
Blue>>>>>>>>Indicates Enclosure UID Is Active
Amber>>>>>>Indicates System Health Degraded

Point and Shoot:

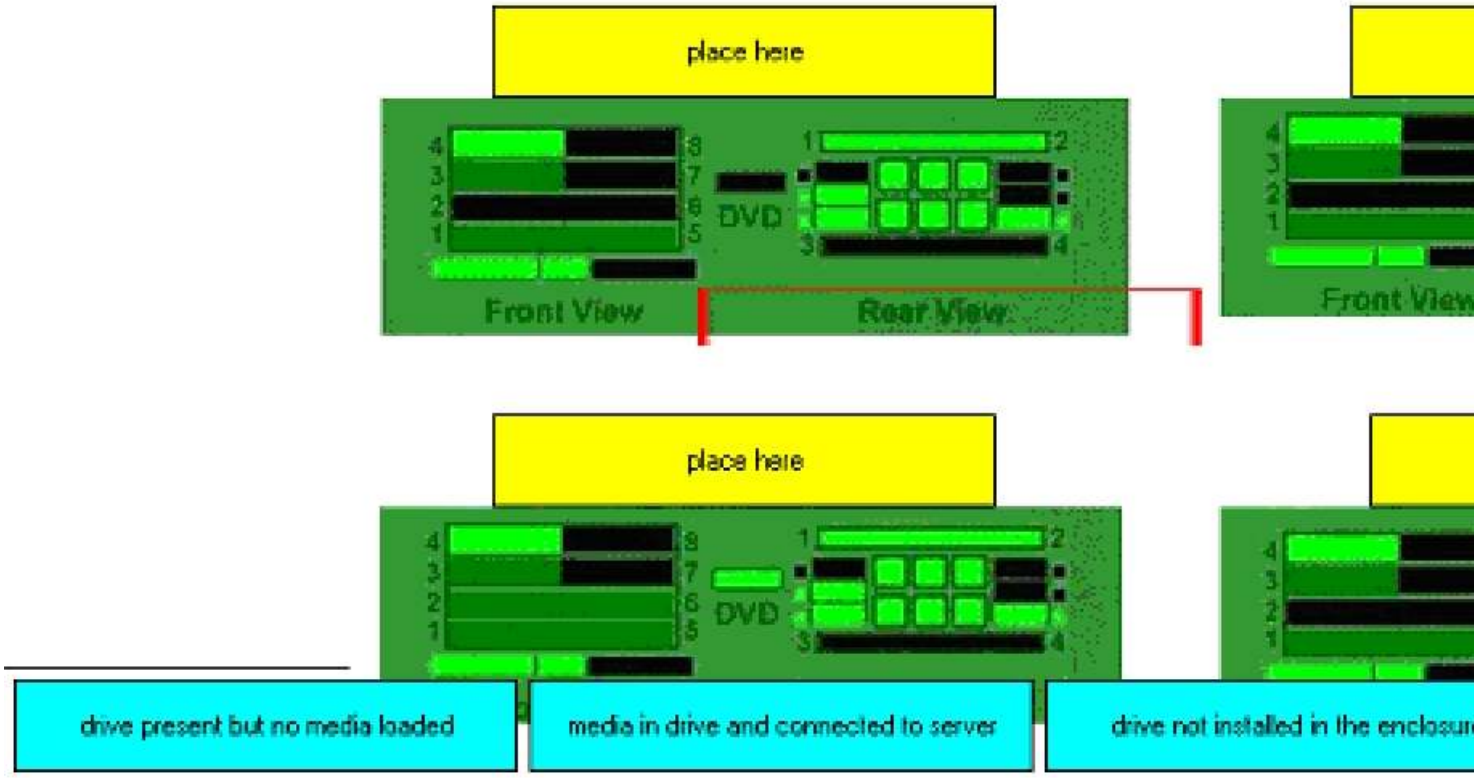
Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
DRAG DROP
Identify the correct enclosure DVD status for each enclosure.

Identify the correct enclosure DVD status for each enclosure.



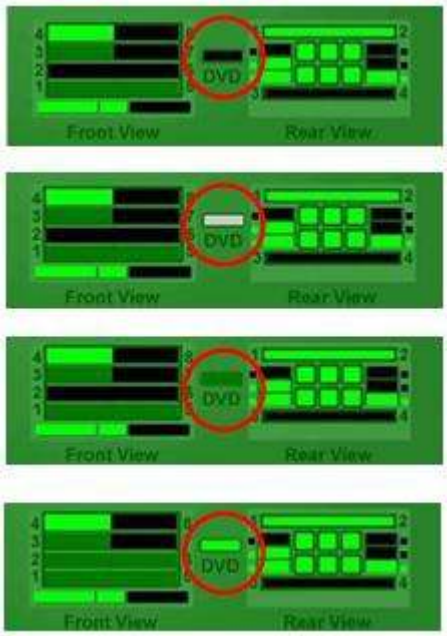
Answer:
 Black — Drive is not installed in the enclosure.
 Light gray — Drive is present but no media is loaded.
 Dark green — Media is present but the drive is not connected to server bays.
 Light green — Drive contains media and is connected to server bays.

Select and Place:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:



The Insight Display shows the DVD-ROM drive status on the Health Summary screen as a color-coded DVD icon. The color of the DVD icon varies with the status of the DVD-ROM drive:
 Black — Drive is not installed in the enclosure.
 Light gray — Drive is present but no media is loaded.
 Dark green — Media is present but the drive is not connected to server bays.
 Light green — Drive contains media and is connected to server bays.

QUESTION 42
Which information can the user access from an HP Array Diagnostics Utility (ADU) report? (Select two.)

A. array accelerator status
B. outstanding I/Os
C. Reserved Information Sector (RIS) data
D. test connection rate

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
HP provides an ADU to help you quickly identify such problems as the following:

*An incorrect version of firmware
***Raid Drives installed in the wrong order**
*Inappropriate error rates
***A failed battery on the array accelerator board**

QUESTION 43
What provides information on the software inventory of a server and available updates?

A. HP Subscribers Choice
B. HP System Management Homepage (SMH)
C. Version Control Agent (VCA)

D. Version Control Repository Manager (VCRM)

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

The VCA enables administrators and operators to perform the following tasks to maintain the software inventory of the server:

 View the currently installed software.
 Select a VCRM as a reference point for obtaining software updates.
 Select whether to use a Custom Software Baseline or PSP as a managed baseline.
 View whether any applicable updates are available in the version control repository.
 View the details associated with a Custom Software Baseline, PSP, or individual software component that is in the version control repository.
 Install a Custom Software Baseline, PSP, or individual software component from the version control repository.
 View and clear the VCA log.
 Configure the log to automatically delete older entries, reducing maintenance activity for administrators.
 Change the log settings.

In addition to maintaining the software inventory of the server, the VCA integrates with HP SIM. This integration enables administrators to take advantage of the software update capabilities of the agent.

QUESTION 44
A c7000 connected to an MDS600 is not working as expected. Several times a day, blades lose connectivity to their assigned disks. Your manager asks you to develop an action plan according to the HP troubleshooting methodology. What needs to be included in the action plan? (Select three.)

A. necessary steps to implement the solution
B. elevation plan
C. possible root cause of the problem
D.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45
A customer is experiencing drive encryption issues with a BL490c Server Blade running Microsoft Windows Server. The Trusted Platform Module (TPM) is suspected as the cause. What must be done to replace the TPM? (Select two.)

A. The TPM must be cleared.
B. BitLocker must be disabled.
C. The TPM Visibility option must be set to hide so it is not visible to the OS.
D. The TPM and system board must be replaced at the same time.

Correct Answer: BD

Section: (none)
Explanation

Explanation/Reference:
The TPM is not moved but replaced. A new TPM will be provided and there is no transferring of key. After installing the new system board and TPM module or moving encrypted disks to new server (really same effect to the data) when the user attempts to the boot the OS they will be prompted for their recovery key. Once they provide the correct key they can then rebind the OS to the new system/TPM/configuration.

In the case of Microsoft's Bit Locker... There isn't a need to move keys. You would use the recovery key to gain access to the volume and then lock it back down to the new platform

QUESTION 46
After the replacement of an HP StorageWorks Ultrium Tape Blade, the new unit should be tested. What is the recommended diagnostic and support tool for c-Class tape blades?

A. Backup Exec Tape Diagnostic Support Tool for HP c-class BladeSystems
B. HP c-class BladeSystem Tape Blade Sizer and Diagnostic Tool
C. HP BladeSystem c-Class Tape Blade Diagnostic Tool from the SmartStart CD
D. HP StorageWorks Library & Tape Tools

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
HP StorageWorks Library and Tape Tools (L&TT) is a free, downloadable, robust diagnostic tool for all of HP's tape storage and magneto-optical storage products. Provided for a wide range of users, it is ideal for customers who want to verify their installation, ensure product reliability, perform their own diagnostics and achieve faster resolution of tape device issues.

L&TT performs firmware upgrades, verification of device operation, failure analysis and a range of utility functions. Performance tools assist in troubleshooting bottlenecks and system configuration checks warn of common host issues. It also provides seamless integration with HP support by generating and e-mailing test results and support tickets. HP Support will require the use of L&TT to troubleshoot most device issues, so it is recommended that a support ticket is pulled and the device assessment test is run before calling.

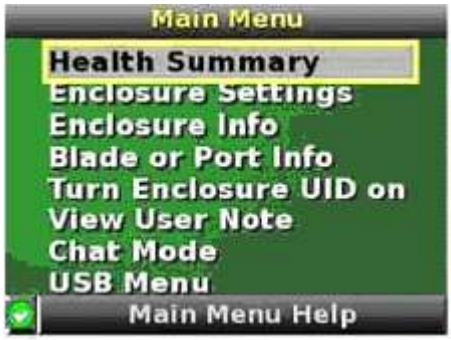
QUESTION 47
Which action should you take first when the Insight Display goes dark?

A. Reboot Onboard Administrator.
B. Connect Insight Display to the diagnostic station and perform all tests.
C. Press any button on Insight Display to reactivate the screen.
D. Replace Insight Display as it is broken.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Dark (no power)—The Insight Display has a two-minute inactivity period. If no action is taken and noalert condition exists, the screen light is no longer illuminated after twominutes. Pressingany button on the InsightDisplay reactivatesthe screen.

QUESTION 48
Refer to the exhibit below.



From the main menu shown in the exhibit, which menu should you select from Insight Display to check the Onboard Administrator Service IP address?

A. Health Summary
B. Enclosure Settings
C. Enclosure Info
D. Blade or Port Info

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Enclosure Settings Menu
From the Enclosure Settings Menu, you can configure the enclosure, update settings,and make changes directly from the rack. Enclosure settings available from the Insight Display panel include:
 Power settings
 Onboard Administrator IP address
 Enclosure Name
 Rack Name
 Insight Display Lockout PIN#

QUESTION 49
Refer to the exhibit below.

A customer reports that Insight Display shows five NICs installed in a half-height server blade, but a connection to only two of them can be established. What could cause this to happen?

A. The NICs and interconnect modules are running different firmware revisions.
B. The NICs and iLO share the same interface.
C. Some interconnect modules are powered off.
D. The NICs are multifunction cards and also operate in iSCSI mode.

Correct Answer: D
Section: (none)
Explanation

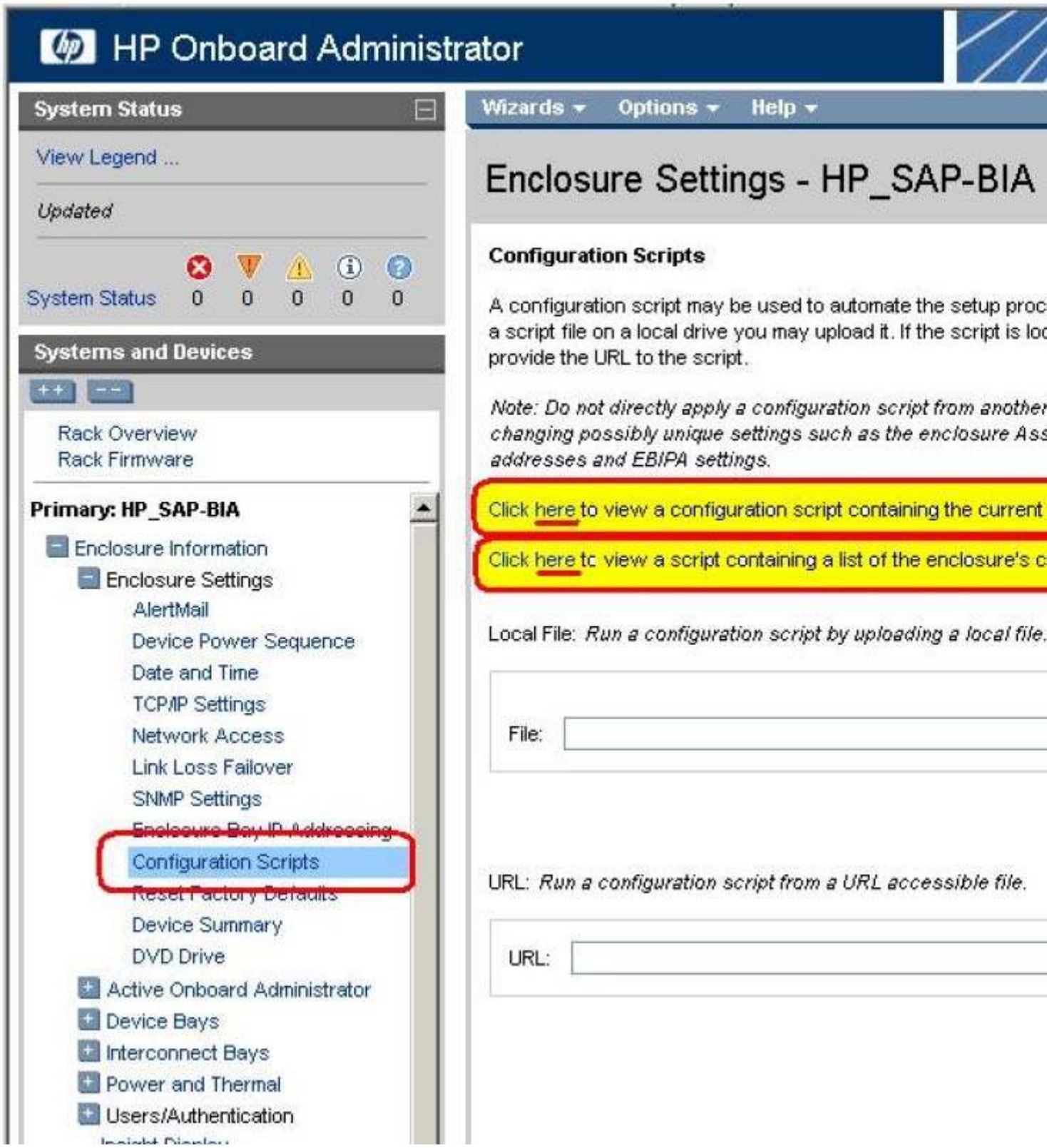
Explanation/Reference:
Need to verify answer

QUESTION 50
How is a backup of the Onboard Administrator (OA) performed?

A. by using the CLI of interconnect in bay 1
B. by using the GUI
C. by copying the activeoa.cfg file to the USB drive
D. by recording the configuration on a CD using CD-RW attached to the OA USB port

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
You have an option under the Configuration Scripts section in OA. It backsup almost all settings you need.


HP Onboard Administrator
System Status
View Legend ...
Updated
System Status 0 0 0 0 0
Systems and Devices
Rack Overview
Rack Firmware
Primary: HP_SAP-BIA
Enclosure Information
Enclosure Settings
AlertMail
Device Power Sequence
Date and Time
TCP/IP Settings
Network Access
Link Loss Failover
SNMP Settings
Configuration Scripts
Device Summary
DVD Drive
Active Onboard Administrator
Device Bays
Interconnect Bays
Power and Thermal
Users/Authentication
Wizards
Options
Help
Enclosure Settings - HP_SAP-BIA
Configuration Scripts
A configuration script may be used to automate the setup proc
a script file on a local drive you may upload it. If the script is loc
provide the URL to the script.
Note: Do not directly apply a configuration script from another
changing possibly unique settings such as the enclosure Ass
addresses and EBIPA settings.
Click here to view a configuration script containing the current
Click here to view a script containing a list of the enclosure's c
Local File: Run a configuration script by uploading a local file.
File:
URL: Run a configuration script from a URL accessible file.
URL:

QUESTION 51
You have to update firmware of the Onboard Administrator (OA) but you have no access to the GUI. What is required to flash OA firmware from the CLI?

A. FTP/TFTP server with OA firmware image available
B. OA certificate applied on the machine from which the update is performed
C. service account credentials
D. access to the Insight Display service menu

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Recovering from a firmware flash disaster
If your Onboard Administrator encountered an error during a firmware update, you can use the following process to recover:
1. Connect locally to the Onboard Administrator with a null-modem cable and HyperTerminal settings of 9600 N, 8, 1, VT100.
2. Press and hold both the Reset and the Onboard Administrator UID buttons for 5 seconds.
3. When the serial console displays a prompt for Flash Recovery or Reset Password, select Flash Recovery. The Onboard Administrator obtains an IP address through DHCP.
4. **The serial console will display a prompt for the IP address of the FTP server (where the Onboard Administrator image files are stored). Enter the appropriate IP address**.
5. Next, you are prompted for the path to the Onboard Administrator firmware image. The Onboard Administrator downloads the image and flashes itself.
Upon successful completion of this process, the Onboard Administrator firmware is current and any error condition is repaired.

QUESTION 52
You want to be able to capture and store for replay the console video during a server's last major fault or boot sequence for troubleshooting purposes. What does this require?

A. recording agent running on Insight Display
B. iLO firmware higher than 2.60
C. Onboard Administrator module with KVM
D. iLO Advanced License

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
HP iLO Advanced or HP iLO Advanced for BladeSystem functionality is activated using a license key; software updates are not required. Activate optional licensed functionality such as graphical remote console with multi-user collaboration, **video record/playback**, and many more advanced features.

QUESTION 53
Where do the default configurations settings for the HP Systems Insight Management agents reside on a Linux system?

A. \hp\hpsmh\conf\smhpd.xml
B. \hp\hpsmh\win_ia32\smhpd.xml
C. \hp\hpsmh\smhpd.xml
D. \hp\hpsmh\data\cgi-bin\smhpd.xml

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
The answers for this question are all off.

For HP-UX, the configuration settings are preserved in the /opt/hpsmh/conf.common/smhpd.xml file.

For Windows systems
The configuration settings are carried over from the **\hp\hpsmh\conf\smhpd.xml** file,
and the wizard initiates the configuration.

QUESTION 54
When connected via a remote iLO session to a new ProLiant Server Blade, how should the system BIOS settings be configured?

A. The system ROM should automatically configure the entire system, without the need for intervention
B. The ACU should be run to configure the Smart Array manually, before configuring the system.
C. The RBSU should be run to configure the system.
D. The RBSU for iLO should be run and an account and password set up.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55
What can be used to restore an enclosure configuration using the Onboard Administrator Configuration Management screen? (Select two.)

A. Telnet
B. FTP
C. Local
D. URL

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Restoring enclosure settings
The Configuration Scripts screen of the Onboard Administrator GUI enables you to set up the selected enclosures using a configuration file saved from a previous setup. You can run scripts for multiple Onboard Administrators.

To set up selected enclosures using a configuration file:
1. In the OA GUI, under Systems and Devices, expand the Enclosure Settings option and click Configuration Scripts.
2. In the Configuration Management screen, choose either of the following options:
a. **Local file** — Browse to the configuration file or enter the path of the configuration file into the textbox. The maximum number of characters in the file path is 256. Click Upload after entering the file path.

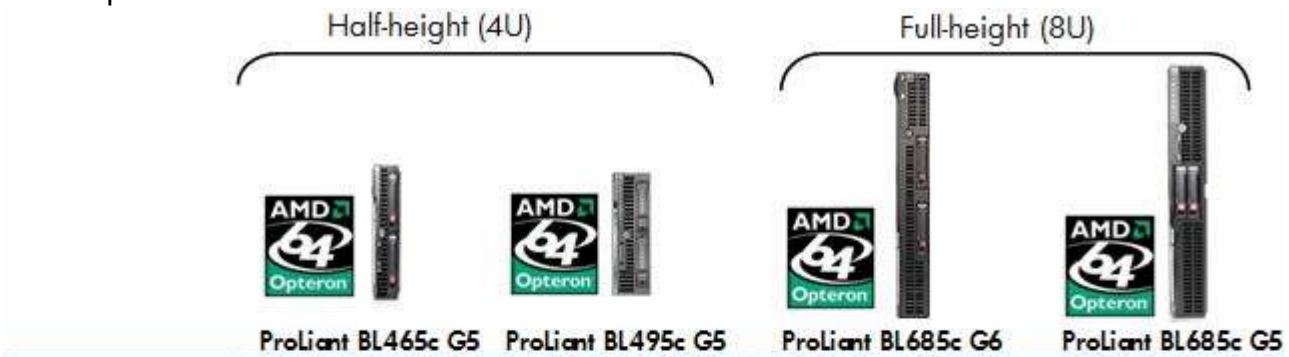
Note
For this exercise, the configuration file is saved in the C:\Classfiles\Class setup folder (file named OAConfigScript#.txt).
b. **URL** — Enter an http:// path to the configuration file if it is located on a web server. The maximum number of characters in the file path is 256.

QUESTION 56
Which server blade is based on AMD Opteron Technology?

A. SB600c
B. BL685c
C. BL2x220c
D. BL860c

Correct Answer: B
Section: (none)
Explanation

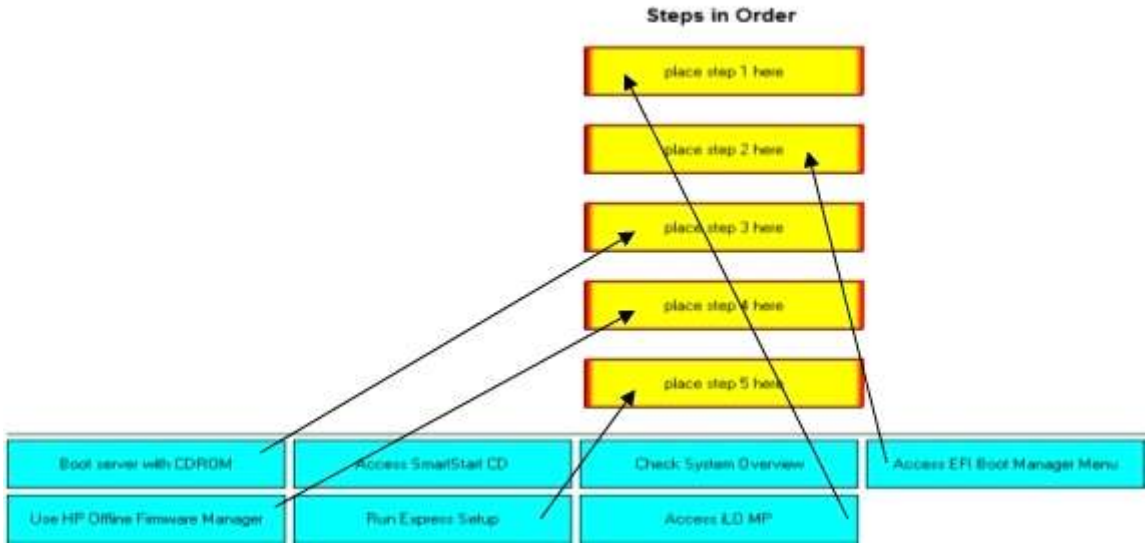
Explanation/Reference:
AMD Opteron-based ProLiant server blades



	ProLiant BL465c G5	ProLiant BL495c G5	ProLiant BL685c G6	ProLiant BL685c G5
Maximum processors	Quad core AMD Opteron 2300 series	AMD OpteronTM 2300 Series	4 Quad-core Opteron 8300	Quad core AMD Opteron 8300 series
Memory slots/max	8 DIMMs/32GB	16 DIMMs/128GB	32 DIMMs /256 GB	16 DIMMs/64GB
iLO	iLO 2	ProLiant Onboard Administrator powered by Integrated Lights-Out 2	ProLiant Onboard Administrator powered by Integrated Lights-Out 2	iLO 2
Internal storage	2 SFF SAS or SATA drives	2 Non-hot plug SATA SSD32 or 64GB	Up to 2 Hot plug SFF SAS/SATA; Non-hot plug SATA SSD	2 SFF SAS or SATA drives
RAID controller	Smart Array E200i	HP Embedded SATA Controller	Smart Array P400i	Smart Array E200i
NICs	Two embedded NC370i Multifunction Gigabit Ethernet Server Adapters	Embedded NC532i Dual Port Flex-10 10GbE Multifunction Server Adapter	2 embedded NC532i Dual Port Flex-10 10GbE Multifunction Server Adapters	• One embedded NC326i Dual Port Gigabit Ethernet Server Adapter • Two embedded NC373i Multifunction Gigabit Ethernet Server Adapters
Mezzanine connectors	2	2	3	3

QUESTION 57
DRAG DROP
Place the steps for verifying and updating firmware for the BL860c server in the correct order.

Answer:



Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

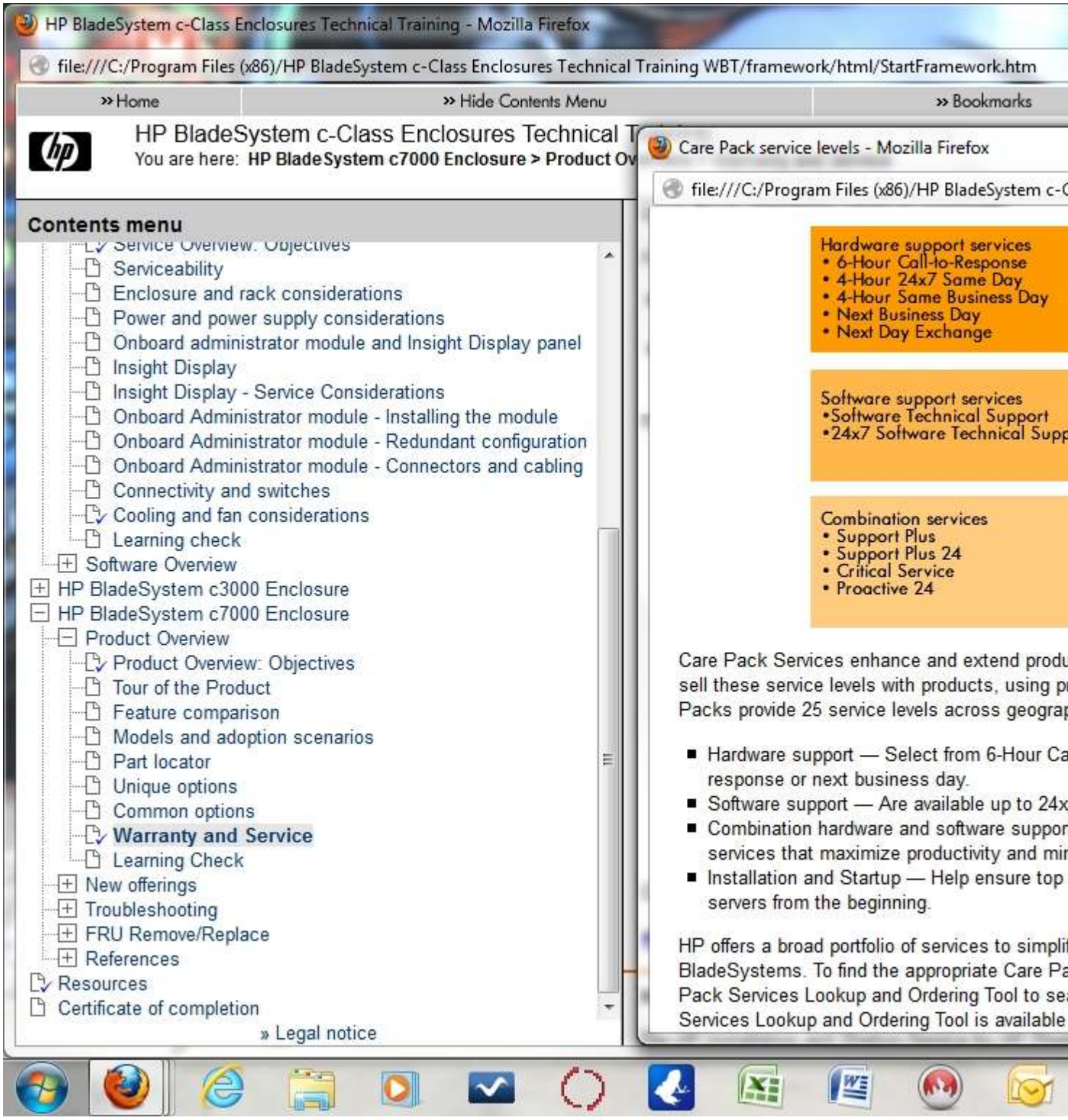
QUESTION 58
Which services and benefits do HP CarePack Services provide? (Select three.)

A. dedicated technical onsite technicians
B. factory configuration

C. onsite deployment of products
D. additional support and levels of availability

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:


HP BladeSystem c-Class Enclosures Technical Training - Mozilla Firefox
file:///C:/Program Files (x86)/HP BladeSystem c-Class Enclosures Technical Training WBT/framework/html/StartFramework.htm
» Home
» Hide Contents Menu
» Bookmarks
HP BladeSystem c-Class Enclosures Technical T
You are here: HP BladeSystem c7000 Enclosure > Product Ov
Contents menu
Service Overview: Objectives
Serviceability
Enclosure and rack considerations
Power and power supply considerations
Onboard administrator module and Insight Display panel
Insight Display
Insight Display - Service Considerations
Onboard Administrator module - Installing the module
Onboard Administrator module - Redundant configuration
Onboard Administrator module - Connectors and cabling
Connectivity and switches
Cooling and fan considerations
Learning check
Software Overview
HP BladeSystem c3000 Enclosure
HP BladeSystem c7000 Enclosure
Product Overview
Product Overview: Objectives
Tour of the Product
Feature comparison
Models and adoption scenarios
Part locator
Unique options
Common options
Warranty and Service
Learning Check
New offerings
Troubleshooting
FRU Remove/Replace
References
Resources
Certificate of completion
» Legal notice
Care Pack service levels - Mozilla Firefox
file:///C:/Program Files (x86)/HP BladeSystem c-
Hardware support services
• 6-Hour Call-to-Response
• 4-Hour 24x7 Same Day
• 4-Hour Same Business Day
• Next Business Day
• Next Day Exchange
Software support services
•Software Technical Support
•24x7 Software Technical Supp
Combination services
• Support Plus
• Support Plus 24
• Critical Service
• Proactive 24
Care Pack Services enhance and extend produ
sell these service levels with products, using p
Packs provide 25 service levels across geograp
Hardware support — Select from 6-Hour Ca
response or next business day.
Software support — Are available up to 24x
Combination hardware and software suppor
services that maximize productivity and mir
Installation and Startup — Help ensure top
servers from the beginning.
HP offers a broad portfolio of services to simplif
BladeSystems. To find the appropriate Care Pa
Pack Services Lookup and Ordering Tool to se
Services Lookup and Ordering Tool is available

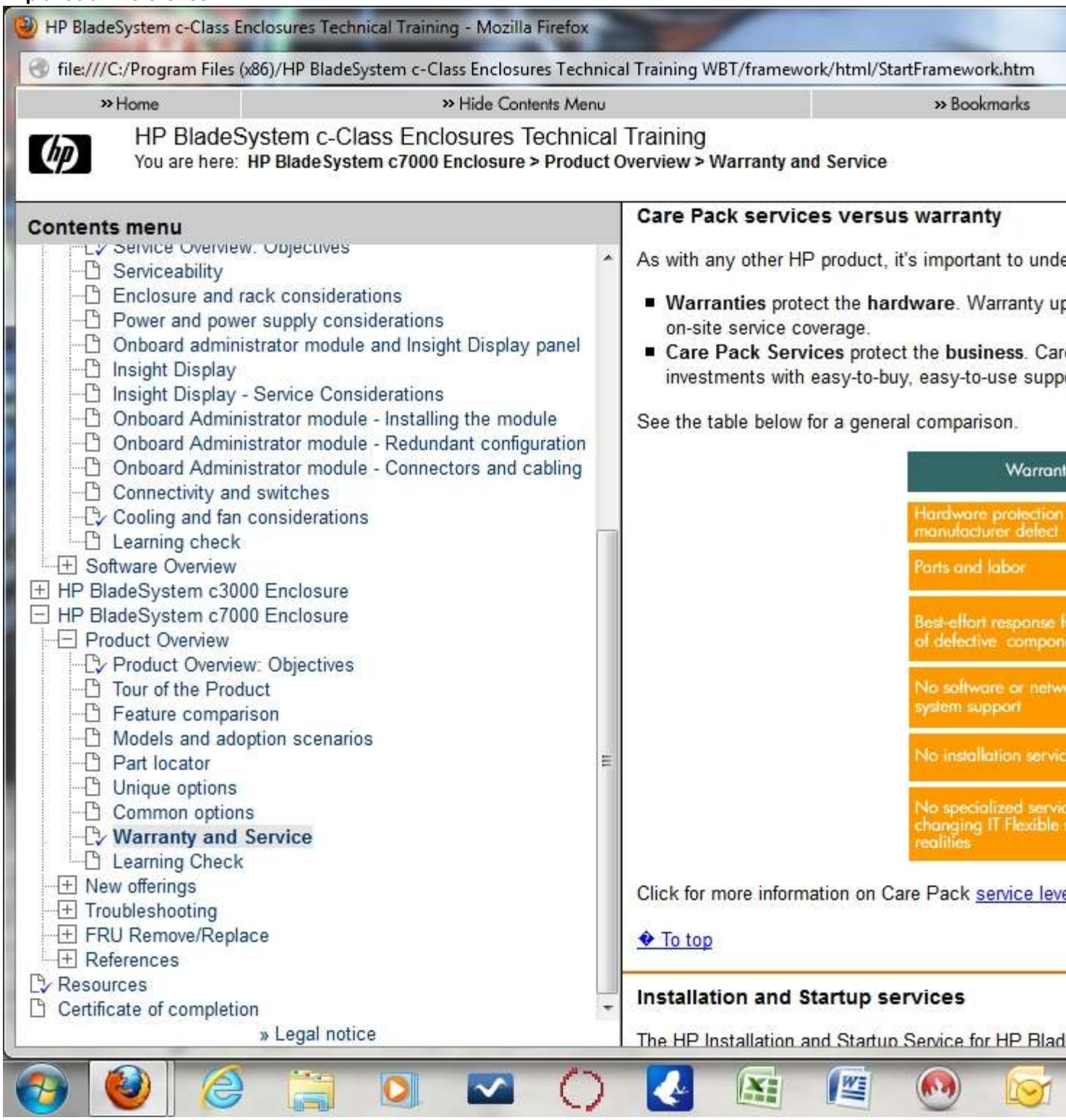
QUESTION 59
What does an HP warranty include? (Select two.)

A. software support
B. parts and labor
C. downtime protection as needed

D. hardware protection against manufacturer defect

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:



QUESTION 60
Which information is required for a warranty check for a BL490c G6 Server? (Select three.)

A. country/region
B. serial number
C. date of purchase
D. product number

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61
Disk drive technology used in RAID storage creates logical drives from physical units. With RAID 5, how many physical I/O requests are generated for each logical write?

A. three writes and one read
B. two reads and two writes
C. one read and three writes
D. four writes and one read

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
RAID-5 will convert each write into two reads followed by two writes, so it will get 1/4 the performance or about 150 IOPS. That's a pretty big hit.

QUESTION 62
Which Advanced Memory Protection (AMP) features are available on a ProLiant BL460c G6? (Select three.)

A. Memory Non-Lock-Step mode
B. advanced error checking and correcting
C. online spare memory
D. mirrored memory

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:
Advanced Memory Protection
(AMP) options to optimize server availability:

 Advanced Error Checking and Correcting (ECC) — Supports up to 16GB of active memory using 2GB Fully Buffered DIMMs

 Online Spare Memory — Provides additional protection against degrading Fully Buffered DIMMs; supports up to 12GB of active memory and 4GB of online spare memory using 2GB Fully Buffered DIMMs

 Mirrored memory — Provides protection against failed Fully Buffered DIMMs; supports up to 8GB of active memory and 8GB of mirrored memory using 2GB Fully Buffered DIMMs

QUESTION 63
Which capability does Intel QuickPath technology provide?

A. automatically allows a processor core to run faster than the base operating frequency if it is operating below power, current, and temperature specification limits
B. allows each processor core to feature an integrated memory controller and high-speed interconnect to deliver greater performance, bandwidth, and reliability memory controller and high-speed interconnect to deliver greater performance, bandwidth, and reliability
C. allows applications to execute threads in parallel within each processor in a server platform to enhance performance and energy efficiency within each processor in a server platform to enhance performance and energy efficiency
D. provides Dynamic Power Management and Rapid Virtualization Indexing to improve application performance

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
The Intel® QuickPath Interconnect (QPI) is a high-speed, point-to-point interconnect that directly links the processors and I/O chipset to boost data transfer between the processors and other system components (Figure 1). The QPI replaces the shared front-side bus and memory controller hub found
2
in previous-generation Intel architectures. Each QPI consists of two uni-directional links that operate simultaneously in opposite directions with a total bandwidth up to 25.6GB/s. Each uni-directional link consists of twenty 1-bit lanes that transmit up to16 data packets in multiple parallel transfers. Of the remaining lanes, one is used as a clock lane and three are used for clock or data fail-over.

QUESTION 64
Which method should you use to remove a jammed cartridge from a tape blade?

A. Remove the tape blade from the enclosure, send it in for repair and request the cartridge back
B. Press the Eject button for 10 seconds and wait up to 10 minutes for the tape to rewind.
C. Remove the tape blade and open the enclosure with a torx screwdriver to remove the cartridge.
D. Pull the release latch to force an emergency eject.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
The cartridge is jammed
If the cartridge is jammed or the backup application is unable to eject it, you can force eject the cartridge. Once the cartridge is successfully ejected, it is good practice to run Library & Tape Tools to diagnose the problem and to upgrade the firmware. If the failure occurs regularly, contact customer service at http://www.hp.com/support.
1. **Press and hold the Eject button on the front of the tape drive for at least 10 seconds.**

2. Wait for the cartridge to be ejected. This process may take up to 10 minutes (the maximum rewind time). It is important that you allow sufficient time for the drive to complete this process. If you interrupt it, you may damage the media or the tape drive. The drive is then reset as though you had turned the power off and then on again.

You may lose data if you force eject a cartridge. The tape may also become unreadable because an EOD (End of Data) mark may not be properly written.

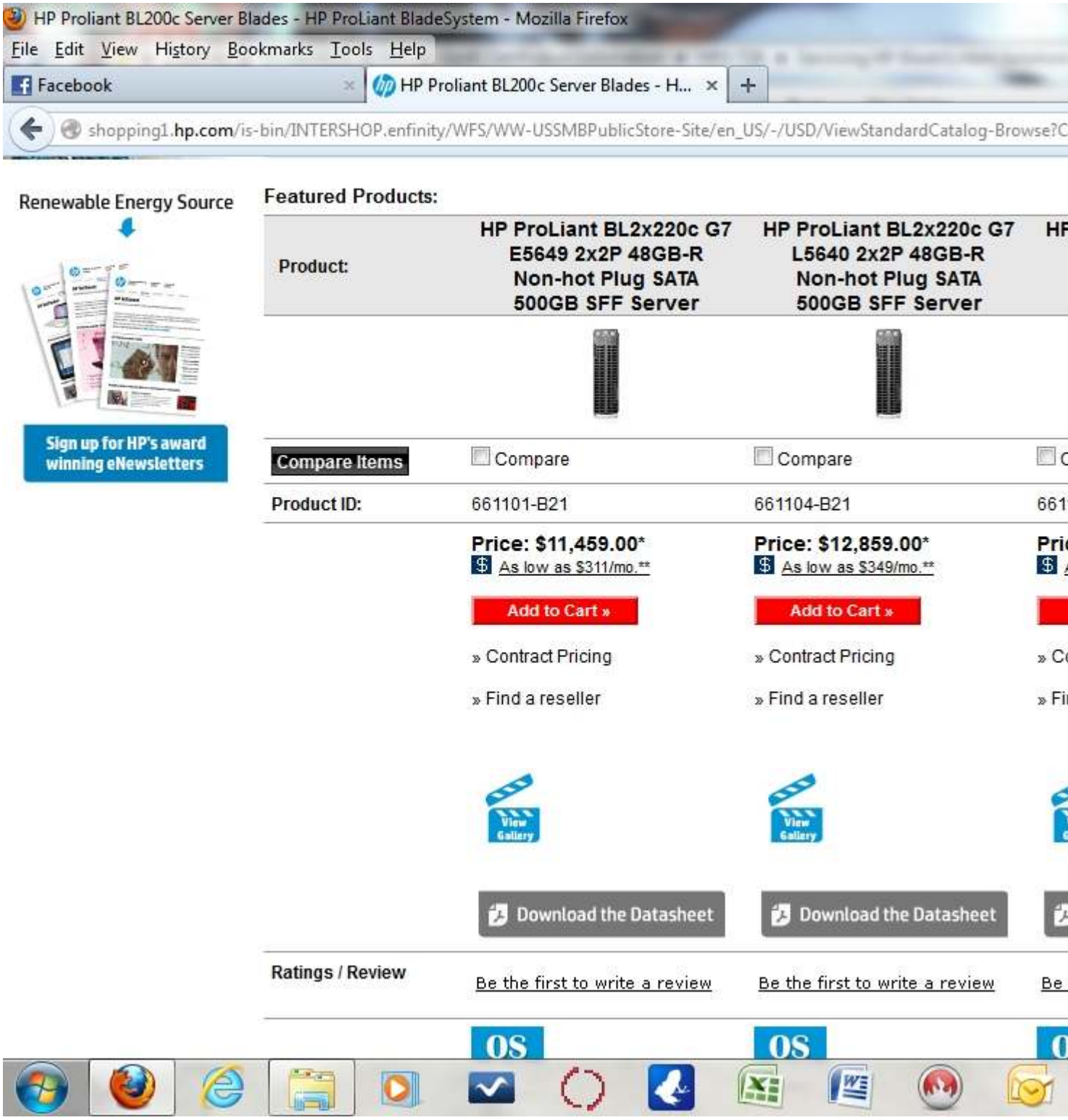
3. If the cartridge is still jammed, the tape drive has failed. Contact customer service at http://www.hp.com/support.

QUESTION 65
Which HP c-Class server blade series only supports non hot-plug SATA drives?

A. 100 Series
B. 200 Series
C. 400 Series
D. 600 Series

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:


HP Proliant BL200c Server Blades - HP ProLiant BladeSystem - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Facebook
HP Proliant BL200c Server Blades - H...
shopping1.hp.com/is-bin/INTERSHOP.enfinity/WFS/WW-USSMBPublicStore-Site/en_US/-/USD/ViewStandardCatalog-Browse?C
Renewable Energy Source
Sign up for HP's award winning eNewsletters
Featured Products:
Product:
HP ProLiant BL2x220c G7 E5649 2x2P 48GB-R Non-hot Plug SATA 500GB SFF Server
HP ProLiant BL2x220c G7 L5640 2x2P 48GB-R Non-hot Plug SATA 500GB SFF Server
Compare Items
Compare
Compare
Product ID:
661101-B21
661104-B21
Price: $11,459.00*
As low as $311/mo.**
Price: $12,859.00*
As low as $349/mo.**
Add to Cart »
Add to Cart »
» Contract Pricing
» Find a reseller
» Contract Pricing
» Find a reseller
View Gallery
View Gallery
Download the Datasheet
Download the Datasheet
Ratings / Review
Be the first to write a review
Be the first to write a review

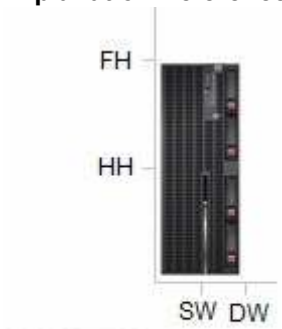
QUESTION 66
How many processor sockets does the HP BL870c c-Class Integrity Server Blade have?

A. 2
B. 4
C. 8

D. 16

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:



For processors
 Up to four Intel Itanium 9100N dual-core (DC) 1.60GHz processors, with up to 24MB L3 cache (1.2MB core L2 cache)
 The FSB operates at 267MHz, and since data can be transferred on each clock edge, the data transfer rate is 533 MTransfers/s (million transfers per second), peak data bandwidth approximately 8.2GB/s
 Processor kit SKUs are:
 1.60GHz/24MB Dual Core, at 533MTs/267MHz FSB (DBS)
 1.60GHz/18MB Dual Core, at 533MTs/267MHz FSB (DBS)
 1.42GHz/12MB low cost Dual Core, at 533MTs/267MHz FSB (no DBS)

QUESTION 67
A rack with a c7000 is to be relocated to a remote location. What should be used when moving the rack to ensure no damage will occur to the enclosure?

A. packaging foam
B. shipping bracket
C. stabilization kit
D. ballast kit

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:
HP BLc7000 10000 Series Rack Shipping Bracket Option
NOTE: The shipping bracket is required when shipping a c7000 enclosure when installed in a rack. It is not required for normal operation. PART# 433718-B21

QUESTION 68
When a customer is using a StorageWorks 3Gb SAS BL Switch in the c7000 enclosure, what can be connected?

A. an EVA4400 storage array to the server blades in a c7000 enclosure
B. a SB40c storage blade to the server blades in a c7000 enclosure
C. an MSA2000sa to the server blades in a c7000 enclosure
D. the internal SAS drives of the server blades to other resources

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Key Features

Highly efficient consolidation and sharing of storage
Geared to departmental and small to medium business requirements
Grows as the storage demands increase - up to 48 drives and 21.6TB SAS or 48TB SATA
Supports up to 4 hosts with SAS direct connect and 32 hosts (BladeSystem servers) using **3Gb SAS BL switch** along with support for 256 LUNs and LUN sizes up to 16TB
Optional controller-based snapshot and clone capability for increased data protection

QUESTION 69
What is the default ASR timer value after the HP Server Health driver is loaded?

A. 10 seconds
B. 10 minutes
C. 1 minute
D. 1 hour

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
After the HP Server Health Driver is loaded, it sets the ASR timer to the ASR timeout value. **The default is 10 minutes**. This time can be changed in the ROM-Based Setup Utility (RBSU). If the timer is not reset within the specified period, it is presumed that an operating system fault has occurred. The expired timer triggers an interrupt, which initiates a system restart.

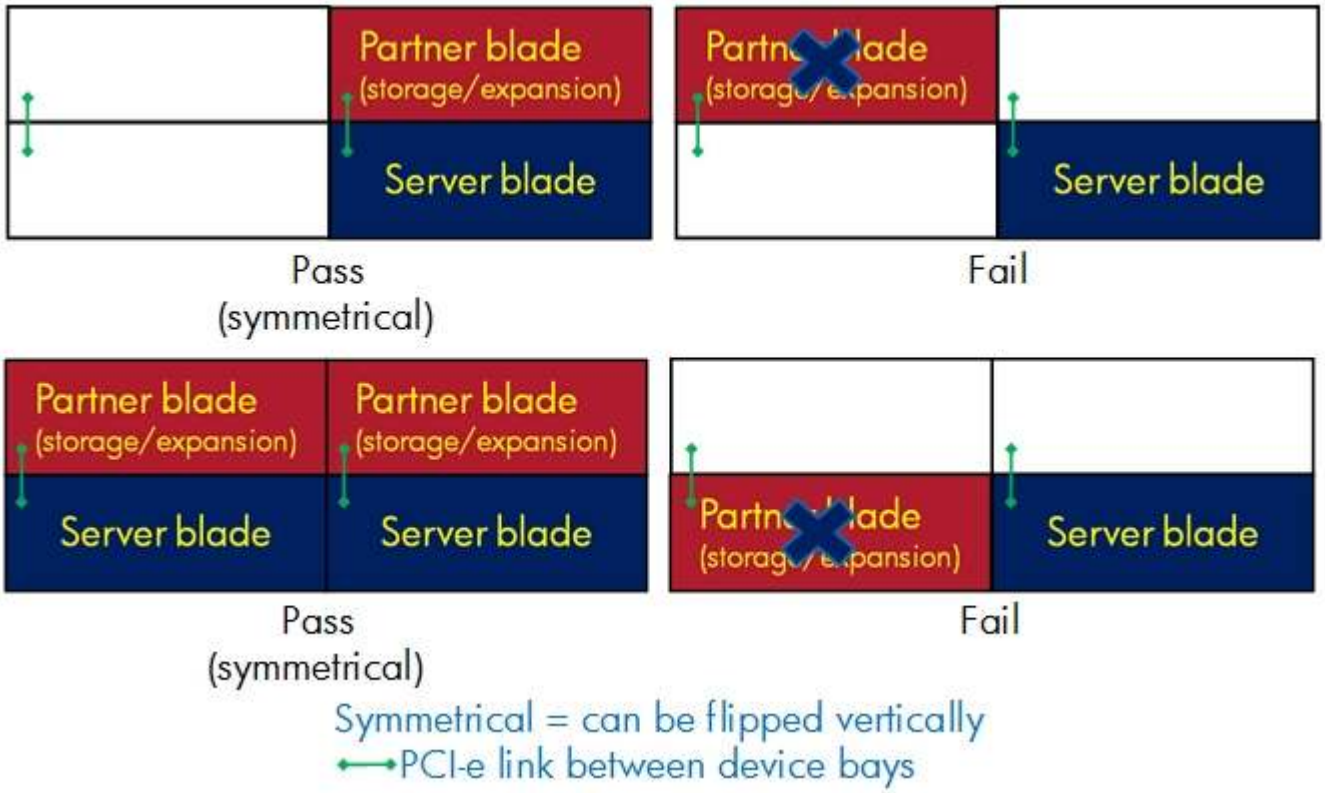
QUESTION 70
When installing half-height c-Class server blades in a c3000 rack enclosure, what is the recommended sequence for installing them into the server bays when viewed from the front of the enclosure?

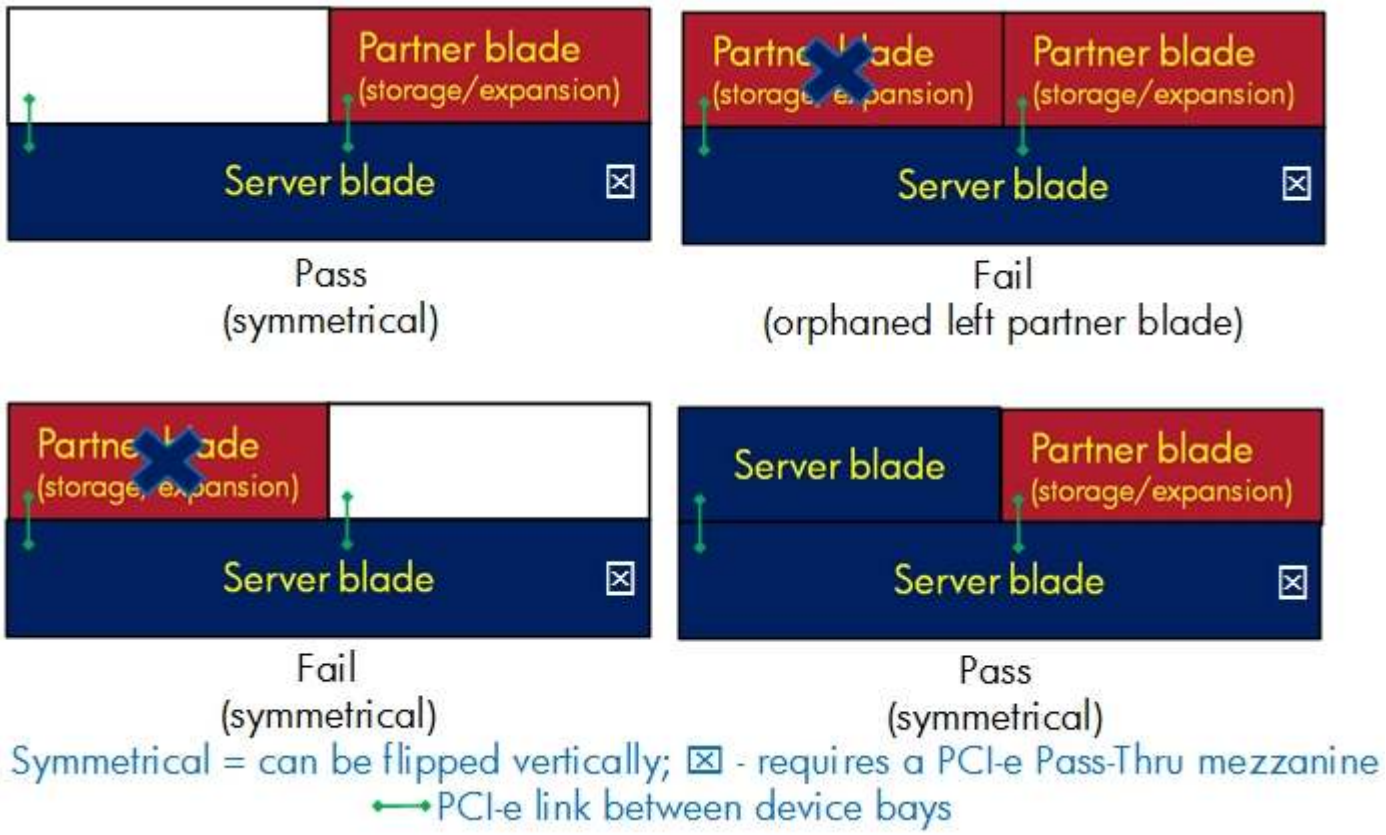
A. from top to bottom, then right to left
B. from bottom to top, then right to left

C. from top to bottom, then left to right
D. from bottom to top, then left to right

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:





QUESTION 71
If time is critical and all memory tests in the HP Insight Diagnostics Offline Edition cannot be run, which memory tests should be run? (Select two.)

A. address
B. random address
C. read
D. noise

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
To test memory thoroughly, run as many loops as possible in the time allowed. If time is critical, and all memory tests cannot be run, then HP recommends running the Random Address test and the Noise test. These two tests can catch the most errors.

QUESTION 72
What do you use to access RBSU to retrieve information?

A. F2
B. F8
C. F9
D. F12

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Press F9 to access RBSU

QUESTION 73
A BL490c G6 processor has been replaced. The customer wants the new processor to be tested for several hours before placing the server blade back in service. In order to accomplish this, what should you do after loading HP Insight Diagnostics Offline Edition?

A. Choose an unattended quick test with a time limit.
B. Choose a complete test with a time limit.
C. Run an unattended quick test with a time limit.
D. Run an unattended custom test with a time limit.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
The Custom Test provides the most flexibility in controlling the testing of a system. The Custom Test mode enables you to specifically select which devices, tests, and test parameters are run.

The Unattended mode runs tests that require no user responses. Tests that require user action are not executed.

QUESTION 74
Where can you find video clips of Field Replaceable Unit (FRU) removal/replacement procedures?

A. HP Services Media Library
B. HP Services FRU Replacement Library
C. HP Enterprise Services Library
D. HP Enterprise Video Library

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
The HP Services Media Library provides product service information. The media for ProLiant servers includes video clips of removal/replacement procedures and an interactive parts locator that identifies and links parts photos to front, back, and interior views of the server. You can also link to the Technical Support website.

QUESTION 75
Which statements are true about Online Spare memory banks? (Select two.)

A. The first bank populated is considered the Online Spare bank.
B. The last bank populated is considered the Online Spare bank.
C. If single-rank and dual-rank DDR-1 DIMMs are used, the banks must first be populated with dual-rank DIMMs.
D. Memory banks must be populated sequentially, starting with bank A.

Correct Answer: BD
Section: (none)

Explanation

Explanation/Reference:

Configuration guidelines for online spare memory

Online spare memory must be configured using the ROM-Based Setup Utility. To configure memory for Online Spare mode on a server that supports it, the following configuration requirements must be met:

 Memory banks must be designated, for example A through D.

Memory must be populated sequentially, starting with bank A.

 DIMMs within a bank must be identical (same capacity and number of ranks).

 Systems that support DDR-2 memory do not support dual-rank DDR-2 DIMMs.

 If single-rank and dual-rank DDR-1 DIMMs are used, the banks must be populated with single-rank DIMMs first.

The last bank populated is considered the Online Spare bank.

 The capacity of DIMMs in the Online Spare bank must be equal to or greater than the capacity of DIMMs in any other bank. This guideline also applies at the rank level. HP Memory Option kits are configured so that customers automatically comply with this requirement.

QUESTION 76

A customer installs HP Network Configuration Utility on their ProLiant server and wants to see if the TOE and RSS features have been enabled for the NICs. Which file under c:\program files\hp\ncu does the customer need to check to ensure both features are enabled and working?

A. ni_toe.txt
B. nc_bindings.txt
C. ni_TCPIP_REG.txt
D. network_survey.txt

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 77

A server blade has a memory error. All the LEDs in all the banks are illuminated. What should you do first to address this issue?

A. Simultaneously replace the memory in all the banks.
B. Replace the system board that the memory is connected to.
C. Replace the processor, which is causing a false memory error.
D. Replace one memory bank at a time.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 78

A customer has an SB40c paired with a full height blade. The blade cannot access the SB40c storage. Which component in the blade may need to be replaced?

A. QLogic or Emulex HBA mezzanine card
B. InfiniBand mezzanine card
C. P700 Smart Array mezzanine card
D. PCI Express Mezzanine Pass-Thru

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
Q2. When do I need this expansion card?
A2. The PCIe Mezzanine pass-thru card is for connecting a full height c-Class BladeSystem server to the SB40c storage blade.

QUESTION 79
What should be done after a repair has been validated?

A. The IML log entry should be marked as repaired.
B. The failed entry should be cleared from the IML
C. All IML entries should be cleared to make room for future entries.
D. All outstanding IML entries should be marked repaired

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 80
A customer is experiencing intermittent storage connectivity issues in their BladeSystem environment. After collecting the log files from the external storage system and the interconnects, you determine the problem is in the Onboard Administrator configuration. Which step should you take next in the troubleshooting process?

A. Implement preventive measures.
B. Initiate the replacement procedure of the midplane.
C. Plan the repair procedure.
D. Verify if the solution is covered by a carepack.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 81

Which utility can you use to analyze application crash dumps on a Windows server?

A. System Event Viewer
B. Snort
C. DrWatson
D. Postfix

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
How to collect crash dump files on Windows 2008 and Windows 2008 R2

Solution

Overview:
What happened to Dr. Watson in Windows 2008? Dr. Watson was replaced with Problem Reports and Solutions.

Troubleshooting:
During the course of NetBackup troubleshooting, it might be necessary to analyze why a NetBackup process has performed an Application Fault.

When an application produces a fault within Windows 2008, the crash details are captured and stored by Problem Reports and Solutions.

QUESTION 82
During HP SIM automatic discovery, many unmanageable systems and systems that do not need to be managed are discovered. What should you do to prevent this from happening?

A. Power down all unwanted systems prior to the discovery phase so they will not be detected and added to the database.
B. After all the systems are discovered, go back and delete the unwanted systems from the database.
C. Remove the agents from the unwanted systems so HP SIM will reject them during discovery.
D. Apply a filter to discard any systems that are not required, based on the type of system.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
HP SIM can automatically discover and identify systems attached to the network. Discovery filters enable you to limit discovery to specific network segments or IP address ranges. Use discovery filters to prevent discovery of unwanted system types.

QUESTION 83
Which information can you find on Insight Display?

A. server memory errors
B. server mezzanine errors
C. server hard drive errors
D. server Smart Array

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 84
When should you change a SATA RAID drive in a predictive failure state (blinking amber LED)?

A. when the RAID set is rebuilt
B. when the server is not busy
C. when the server is powered off
D. when the drive fails completely

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
HP says to replace a drive in predictive failure as soon as possible but since its not an option I guess the next best thing to do is wait for the raid to finish rebuilding. I guess???

QUESTION 85
A customer has a ProLiant BL680c G5 running a database application that crashes when one of the eight installed memory modules fails. The bad memory is replaced. How can the failure be prevented in the future?

A. by changing the memory configuration to RAID 5 memory
B. by installing Dual Ranked Memories for redundancy
C. by adding eight more DIMMs and using memory mirroring
D. by installing memory in all slots for a total of 256GB

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Memory Mirroring provides a copy of memory stored with dynamic failover in case of failure within socket (intra-socket) memory mirroring.

QUESTION 86
Which type of memory can the Advanced Memory Buffer (AMB) in the Insight Diagnostics Offline Edition test?

A. Fully Buffered DIMMs
B. Unbuffered DIMMs
C. Registered DIMMs
D. Low Power DIMMs

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Fully buffered DIMMs (FBD) contain an advanced memory buffer (AMB) that interfaces with the DRAM devices. AMB is like a mini-memory controller and can perform various memory tests on the DRAM devices behind it (called MEMBIST operations). These tests are more intensive than any tests that can be run from the system and have, therefore, been implemented so that they can be executed from the **Insight Diagnostics Offline Edition.**
Limitations:
 Supports only Fully Buffered DIMMs
 Must be executed exclusively from other tests
 May take longer because requires system to reboot
From the Custom Test tab, select ROM Based Memory Test from Memory System Memory expansion.

QUESTION 87
Which serial communication parameters must be set on the terminal emulator to connect the Onboard Administrator?

A. 9600 E, 8, 1
B. 19200 E, 7, 1
C. 19200 N, 7, 1
D. 9600 N, 8, 1

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
If you have two Onboard Administrator modules in the enclosure and you want to Flash Recover theActive OA:
a. **With a null-modem cable (9600 N, 8, 1, VT100),locally connect to the Onboard Administrator.**
b. Press and hold the Resetbutton of the Onboard Administrator for fiveseconds.
On the serial console, when you are prompted for Flash Recovery or Reset Password, do not enter anything. Wait at least twominutes or more to let the Standby OA become the Active OA beforeproceeding to the next step.
d. When the OA to be flashed has become the Standby OA, press and hold the Resetbutton asecond time on the same OA as in step b.
e. On the serial console, when you are prompted for Flash Recovery or Reset Password, press F.The Onboard Administrator obtains an IP address through DHCP.
f. At the prompt for the TFTP server IP address (where the Onboard Administrator image files arestored),enter the appropriate IP address.
g. You are prompted for the path to the Onboard Administrator firmware image. The OnboardAdministrator downloads the image and flashes itself.

QUESTION 88
The administrator password for the Onboard Administrator (OA) module has been lost. How does the system administrator recover this password? (Select three.)

A. select the factory reset option during reboot
B. press and hold the OA reset button for 5 seconds
C. connect the computer with terminal emulator to the serial port of the active OA
D. boot the system into Lost Password mode

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:
To recover the password and reset the administrator password to the factory default:

1. **Connect a computer to the serial port of the Active Onboard Administrator using a null-modem cable.**

2. With a null-modem cable (9600 N, 8, 1, VT100, locally connect to the Onboard Administrator).

3. Open HyperTerminal (in Microsoft(r) Windows(r)) or a suitable terminal window (in Linux), and then connect to the Active Onboard Administrator.

4**. Press and hold in the Onboard Administrator reset button for 5 seconds.**

5. **To boot the system into Lost Password modem Press L. The password appears as the system reboots**.

QUESTION 89
Which action prevents changing settings in the c7000 Insight Display?

A. setting a PIN
B. enabling a Pass Phrase
C. removing Insight Display from the c7000 enclosure
D. turning On the Insight Display lock feature

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Enclosure Settings Menu
From the Enclosure Settings Menu, you can configure the enclosure, update settings,and make changes directly from the rack. Enclosure settings available from the Insight Display panel include:
 Power settings
 Onboard Administrator IP address
 Enclosure Name
 Rack Name
 Insight Display Lockout PIN#

QUESTION 90
How can you generate a report that contains a detailed set of information about a specific enclosure including configuration and event logs?

A. Use HP System Management Homepage of a blade in bay 1.
B. Use Insight Display to save a configuration file to the USB key.
C. Use HP SIM to save a configuration file.
D. Use the show all command from the Onboard Administrator CLI.

Correct Answer: D
Section: (none)
Explanation

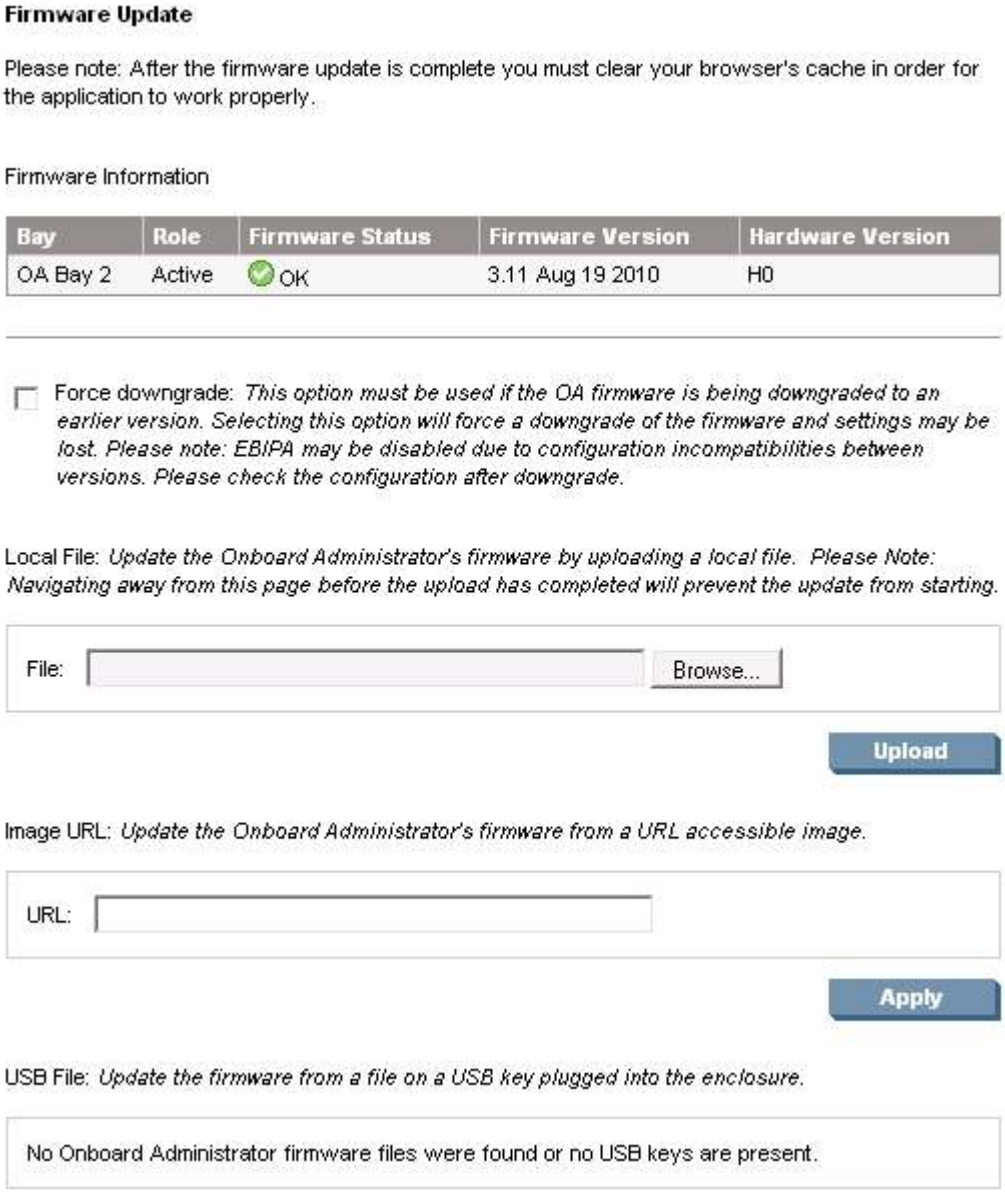
Explanation/Reference:
Typically, when contacting HP for technical support, some information is required from the customer. The easiest way is to provide an inventory log to HP technicians. This task can be completed using CLI or GUI. After you are logged in tothe OA, go to Enclosure Settings and select Configuration Scripts. The one marked on the preceding screen containsa detailed set of information about this specific enclosure including configuration and event logs.
The same result can be achieved by using the CLI command SHOW ALL. To issue this command you must be connected to the OA CLI (using telnet or SSH client).

QUESTION 91
After a firmware upgrade is completed, you cannot access the Onboard Administrator (OA) web interface. What should you do first to address this issue?

A. Set the IP address of OA module.
B. Upload the configuration file.
C. Set the maintenance switch to Off.
D. Clear the web browser cache.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:


Firmware Update
Please note: After the firmware update is complete you must clear your browser's cache in order for the application to work properly.
Firmware Information
Bay
Role
Firmware Status
Firmware Version
Hardware Version
OA Bay 2
Active
OK
3.11 Aug 19 2010
H0
Force downgrade: This option must be used if the OA firmware is being downgraded to an earlier version. Selecting this option will force a downgrade of the firmware and settings may be lost. Please note: EBIPA may be disabled due to configuration incompatibilities between versions. Please check the configuration after downgrade.
Local File: Update the Onboard Administrator's firmware by uploading a local file. Please Note: Navigating away from this page before the upload has completed will prevent the update from starting.
File:
Browse...
Upload
Image URL: Update the Onboard Administrator's firmware from a URL accessible image.
URL:
Apply
USB File: Update the firmware from a file on a USB key plugged into the enclosure.
No Onboard Administrator firmware files were found or no USB keys are present.

QUESTION 92
Which command can be used to display the currently installed EFi on a BL870c Server Blade?

A. romdrivers
B. ver
C. info
D. bcfg

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
HP Integrity BL870c Server Blade User Service Guide:

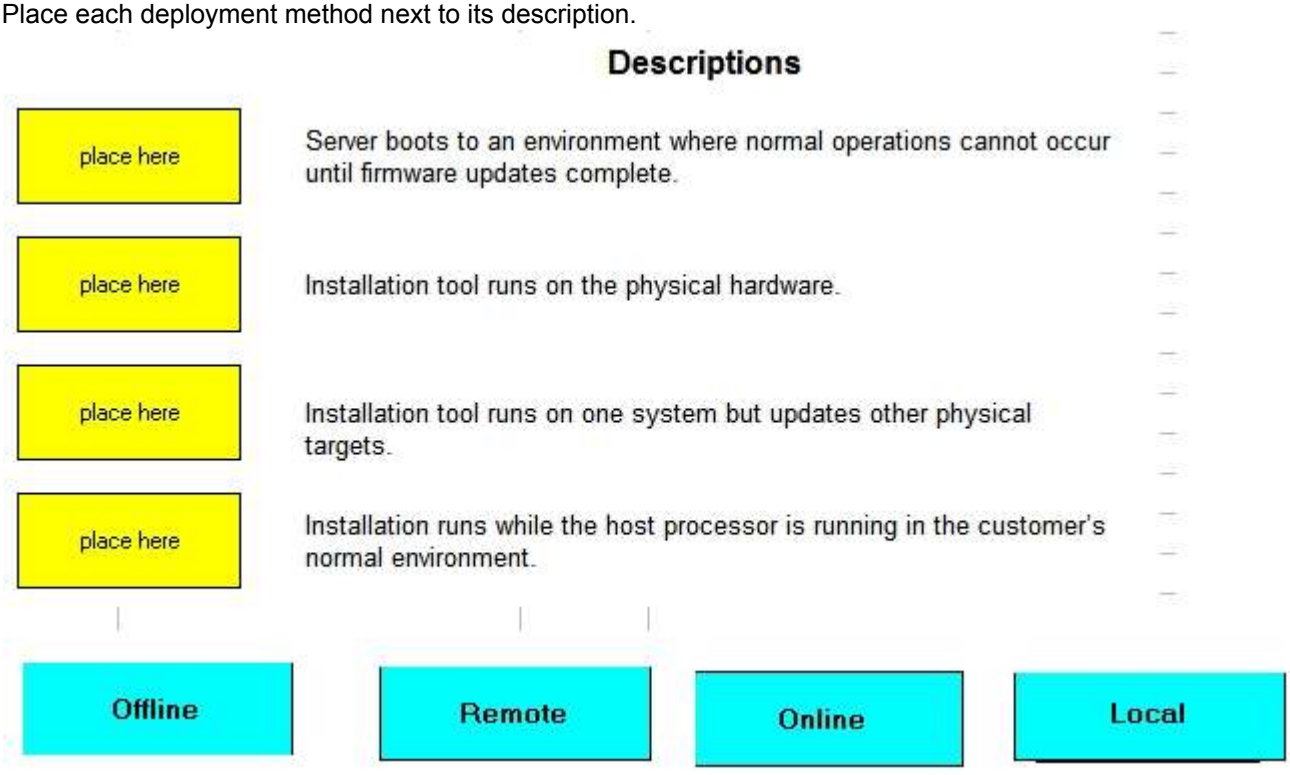
EFI Commands:
infoDisplays most server information.

Syntax
info [-b] [target]

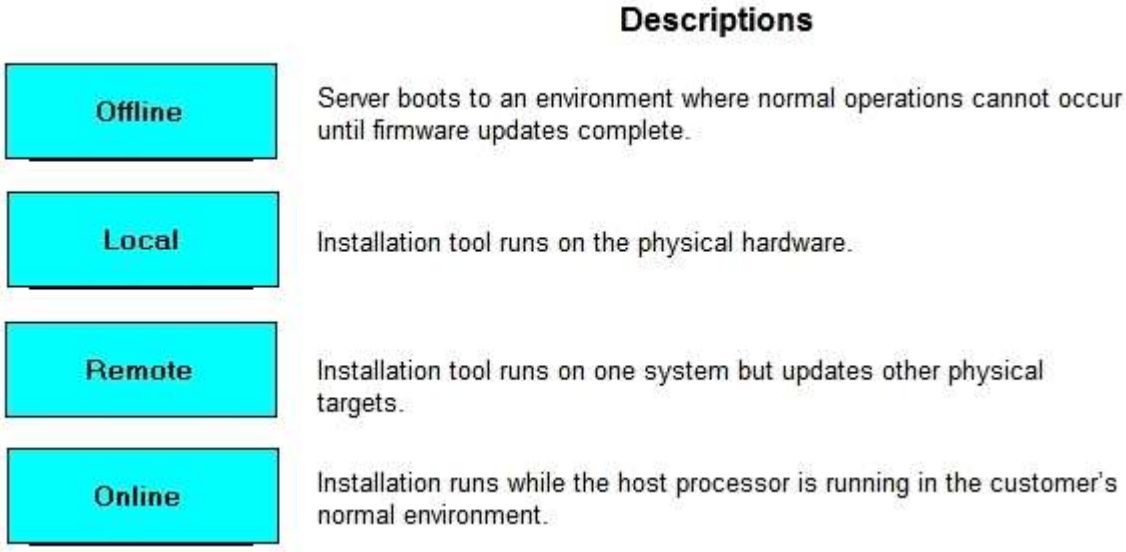
Parameters
target: valid targets are:
all display everything
cpu display information on cpus
cache display information on cache
mem display information on memory
io display information on io
boot display boot-related information
chiprev display information on chip revisions
fw display firmware version information
sys display system information
warning display warning and stop boot information

QUESTION 93

DRAG DROP
Place each deployment method next to its description.


Descriptions
place here
Server boots to an environment where normal operations cannot occur until firmware updates complete.
place here
Installation tool runs on the physical hardware.
place here
Installation tool runs on one system but updates other physical targets.
place here
Installation runs while the host processor is running in the customer's normal environment.
Offline
Remote
Online
Local

Answer:


Descriptions
Offline
Server boots to an environment where normal operations cannot occur until firmware updates complete.
Local
Installation tool runs on the physical hardware.
Remote
Installation tool runs on one system but updates other physical targets.
Online
Installation runs while the host processor is running in the customer's normal environment.

Select and Place:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 94
Which feature of the Ultrium 448 Tape Blade allows quick recovery of the operating system?

A. ACU
B. ORCA
C. OBDR
D. RBSU

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Supported Tape Blades
the HP StorageWorks Ultrium 448c Tape Blade, which is an Ultrium 448 tape drive within a Tape Blade assembly

Using just the Tape Blade and the most recent backup cartridge HP OBDR allows you to recover from the following types of system disasters:
• Hardware failures where the server blade is replaced by an identical component
• File corruption because of an operating system error
• File corruption because of an application software error
• Viruses that prevent you from booting your system correctly
• User errors that stop you from booting your system correctly

QUESTION 95

What should you do to determine the list of hotfixes installed on a Windows server?

A. Run regedit and look under HKLM\Software\Microsoft\Windows\CurrentVersion\HotFix.
B. Open the Windows Update applet in the control panel.
C. Use the systeminfo command.
D. Right-click on My Computer and select the Advanced tab.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
From a dos prompt, run systeminfo. This will generate the info that you can then copy and paste into a text file.

QUESTION 96
When using the HP BladeSystem Firmware Deployment Tool (FDT), what indicates that a firmware upgrade on a BL495c G6 Server Blade completed without error?

A. Insight Display is blue.
B. Insight Display is green.
C. UID light is extinguished.
D. UID light is flashing.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
When a user boots to the FDT, all feedback is provided through the UID lights. While the update process is running, the UID light blinks. Upon completion, the UID light is set to one of two states:
 If the UID light is off, the update process has completed and the server operating system can be installed or the server restarted to its previous operating system.
 If the UID light is solid, a firmware update failure has occurred requiring user attention. The user should either plug in the KVM dongle or use iLO Remote Console support to browse into the affected server to determine the cause of the failure. The FDT loads the error log into a “vi” editor window for review to assist those who might not be familiar with Linux.

QUESTION 97
You have a c7000 with an SB40 Storage Blade installed. It has both SAS and SATA drives. Which statement is true about this configuration?

A. It is not supported. You cannot mix drive types in the same storage blade.
B. It is supported if the drive types are configured in different logical partitions.
C. It is supported. The ACU is able to configure all drives in the same logical partition.
D. It is supported if the drives are the same size.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Hard drive installation guidelines
The guidelines for installing hard drives follow:
 SAS and SATA hard drives—When adding hard drives to the server, observe the following general guidelines:
 The system automatically sets all drive numbers.

 If only one hard drive is used, install it in the bay with the lowest drive number.
 Drives must be the same capacity to provide the greatest storage space efficiency when drives are grouped together into the same drive array.

QUESTION 98
Which firmware can be upgraded using HP SUM running on a Windows-based ProLiant?

A. Intel NIC
B. Emulex Fibre HBA
C. HP SAS hard drive not connected to Smart Array Controller
D. HP SATA hard drive not connected to Smart Array Controller

Correct Answer:
Section: (none)
Explanation

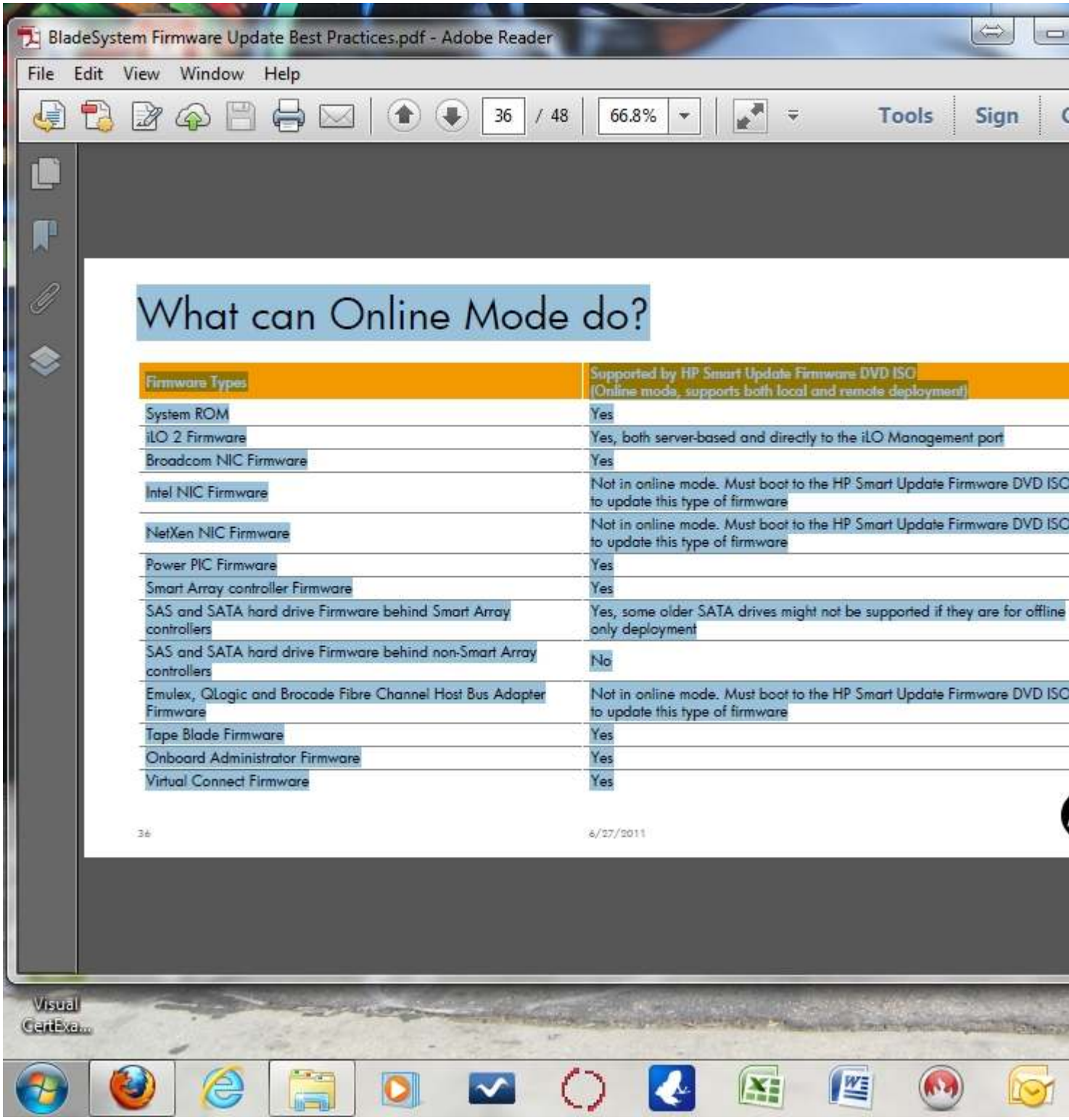
Explanation/Reference:

QUESTION 99
Which firmware can be upgraded using HP SUM running on a Windows-based ProLiant?

A. Intel NIC
B. Emulex Fibre HBA
C. HP SAS hard drive not connected to Smart Array Controller
D. HP SATA hard drive not connected to Smart Array Controller

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:


BladeSystem Firmware Update Best Practices.pdf - Adobe Reader
File Edit View Window Help
36 / 48
66.8%
Tools
Sign
What can Online Mode do?
Firmware Types
Supported by HP Smart Update Firmware DVD ISO (Online mode, supports both local and remote deployment)
System ROM
Yes
iLO 2 Firmware
Yes, both server-based and directly to the iLO Management port
Broadcom NIC Firmware
Yes
Intel NIC Firmware
Not in online mode. Must boot to the HP Smart Update Firmware DVD ISO to update this type of firmware
NetXen NIC Firmware
Not in online mode. Must boot to the HP Smart Update Firmware DVD ISO to update this type of firmware
Power PIC Firmware
Yes
Smart Array controller Firmware
Yes
SAS and SATA hard drive Firmware behind Smart Array controllers
Yes, some older SATA drives might not be supported if they are for offline only deployment
SAS and SATA hard drive Firmware behind non-Smart Array controllers
No
Emulex, QLogic and Brocade Fibre Channel Host Bus Adapter Firmware
Not in online mode. Must boot to the HP Smart Update Firmware DVD ISO to update this type of firmware
Tape Blade Firmware
Yes
Onboard Administrator Firmware
Yes
Virtual Connect Firmware
Yes
36
6/27/2011
Visual CertExa...

QUESTION 100
Which HP solution can be used to integrate a "phone-home" solution for an HP BladeSystem customer?

A.
HP Warranty and Service Advisor

B.

HP Warranty and Service Automation

C.
HP Insight Remote Support Standard

D.
HP Insight Control for BladeSystems

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
HP Insight Control is essential server management that unleashes the management capabilities built into every HP ProLiant server. The result is superior management of physical and virtual servers, from any location. Insight Control integrates specific management functionality into HP Systems Insight Manager to manage server health, deploy and migrate servers quickly, optimize power consumption and performance, and control servers from anywhere.

Monitor Infrastructure Health Continuously
Comprehensive monitoring
Monitor system health and performance through HP SIM, including "**phone home**" and warranty and service contract reporting functions.

QUESTION 101
Which server blade series is optimized for HPC clusters?

A. BL2xx Series
B. BL4xx Series
C. BL6xx Series
D. BL8xx Series

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
All models can be categorized intofour groups:
 2xx series –High density, low costserversoptimized for HPC clusters
 4xx series –Dual-socket machines for most typical use
 6xx series–Quad-socket serversfor virtualization and demanding application
 8xx series–Integrity machines supporting HP-UX and OpenVMS with true 64-bit processing

QUESTION 102
A user added a second OA to a c7000 enclosure so the OAs are redundant, however, the modules are not at the same firmware level. What is an easy way to bring them to the same firmware version?

A. Use HP SUM to update each OA individually.
B. Request that the Admin have SIM push the updates to the each OA.
C. Use HP SUM Offline to update the standby OA, restart it, and repeat the procedure on the remaining OA.

D. Select the Synchronize Firmware button in either OA.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
The current firmware version installed on the Onboard Administrator, Active and Standby if there is more than one, appears on theFirmware Update screen. The current Onboard Administrator hardware version also appears on this screen**. To update the Onboard Administrator to the same version of firmware, click Synchronize Firmware.**

QUESTION 103
What is the advantage of Solid State Drive over I/O Accelerator?

A. It offers higher reliability.
B. It is bootable.
C. It has a longer life span.
D. It has higher throughput.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
An ioDrive is a PCIe flash card that fits in a standard PCI express slot, is seen by an operating system (OS) as traditional storage, and can be enabled as virtual swap space. This card utilizes and extracts performance from common flash memory. Its storage memory is unique and durable because it has no moving parts. It can store data even when power is cut off from the device. The data transaction rate is faster than hard disk drive storage. The ioDrive incorporates all the advantages of flash memory, overcomes many of its limitations, and delivers incredible storage performance and reliability

QUESTION 104
Which capability does the Unified Extensible Firmware Interface (UEFI) provide in ProLiant Blade servers?

A. advanced diagnostics for fault isolation
B. PXE boot device selection
C. shortcut keys under OS control
D. function key selection during startup

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
UEFI, being a pseudo-operating system, can access all of the hardware on the computer — you can surf the internet from the UEFI interface, or backup your hard drives — and it even has a full, mouse-driven GUI (below right). The fact that all of this boot data is stored on NAND flash or on a hard drive means **that there's a lot more space for things like language localization,boot-time diagnostics (begone meaningless POST beeps!), utilities (backup, restore, malware scanners), and so on.**

QUESTION 105
You installed two hard drives in a BL460c Gen8 server. Both the hard drive status LEDs are off. What is a possible cause?

A. Smart Array Advanced Pack (SAAP) single server license was not installed

B. The hard drives failed.
C. There is no hard drive activity.
D. The hard drives are not configured by a RAID controller.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 106
After a BL460c G7 system board replacement due to a mismatched processor support error, the engineer performs a firmware verification and update process. As a preventive measure, which firmware must be checked and updated, if required?

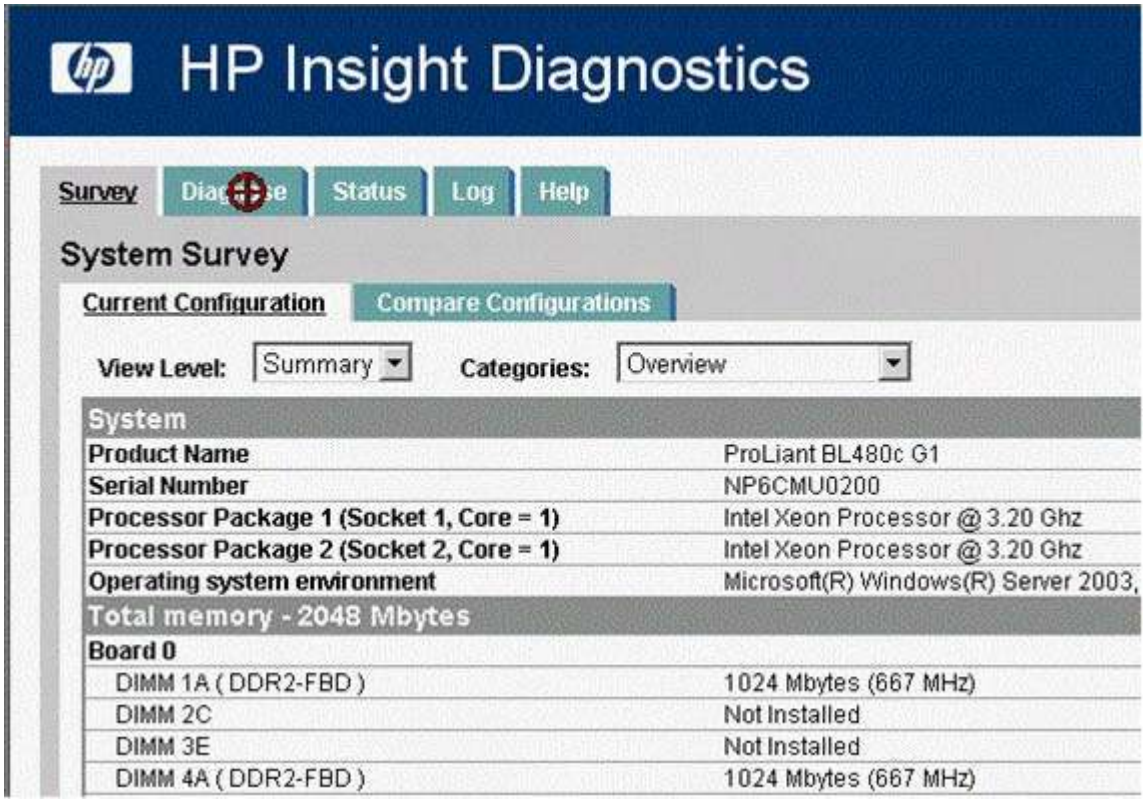
A.
the primary firmware on the system board
B.
both the primary and backup system firmware on the system board
C.
only the iLO firmware to the current release, if required
D.
only the baseboard management controller firmware, if required

Correct Answer: D
Section: (none)
Explanation

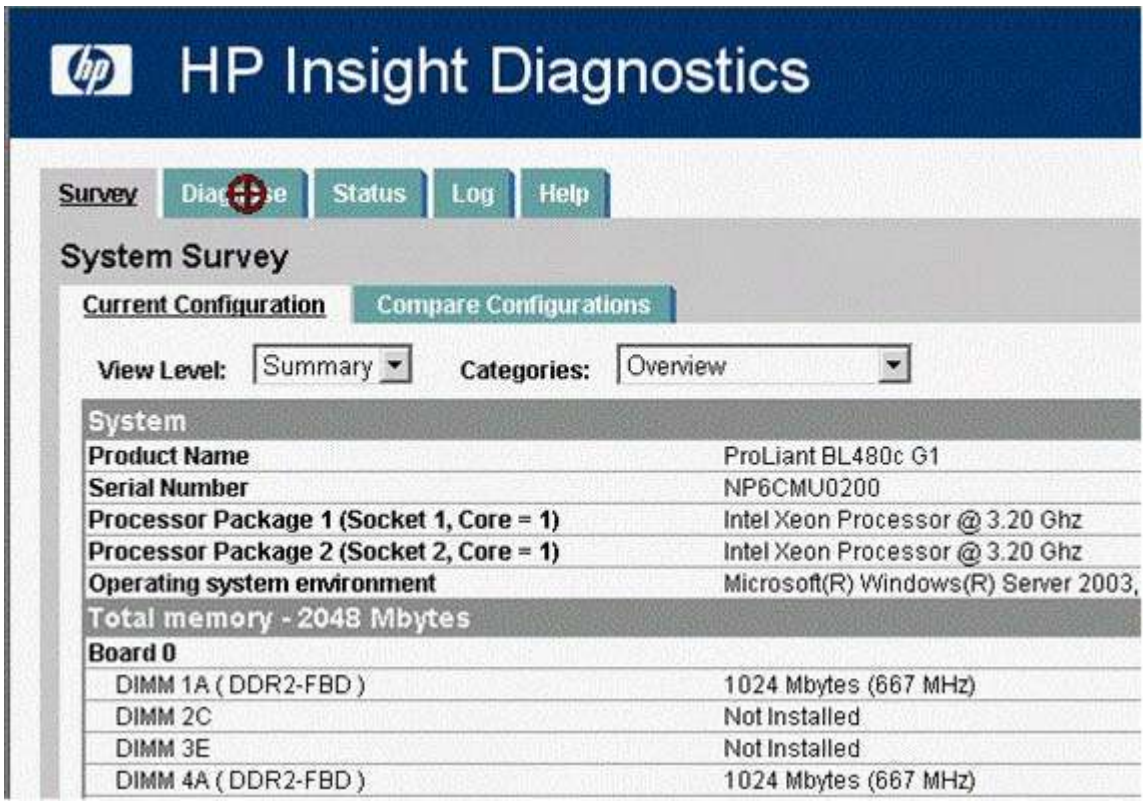
Explanation/Reference:

QUESTION 107

HOTSPOT
Click the area of the graphic where you view diagnostic test error information.


HP Insight Diagnostics
Survey
Diagnose
Status
Log
Help
System Survey
Current Configuration
Compare Configurations
View Level: Summary
Categories: Overview
System
Product Name ProLiant BL480c G1
Serial Number NP6CMU0200
Processor Package 1 (Socket 1, Core = 1) Intel Xeon Processor @ 3.20 Ghz
Processor Package 2 (Socket 2, Core = 1) Intel Xeon Processor @ 3.20 Ghz
Operating system environment Microsoft(R) Windows(R) Server 2003,
Total memory - 2048 Mbytes
Board 0
DIMM 1A (DDR2-FBD) 1024 Mbytes (667 MHz)
DIMM 2C Not Installed
DIMM 3E Not Installed
DIMM 4A (DDR2-FBD) 1024 Mbytes (667 MHz)

Answer:


HP Insight Diagnostics
Survey
Diagnose
Status
Log
Help
System Survey
Current Configuration
Compare Configurations
View Level: Summary
Categories: Overview
System
Product Name ProLiant BL480c G1
Serial Number NP6CMU0200
Processor Package 1 (Socket 1, Core = 1) Intel Xeon Processor @ 3.20 Ghz
Processor Package 2 (Socket 2, Core = 1) Intel Xeon Processor @ 3.20 Ghz
Operating system environment Microsoft(R) Windows(R) Server 2003,
Total memory - 2048 Mbytes
Board 0
DIMM 1A (DDR2-FBD) 1024 Mbytes (667 MHz)
DIMM 2C Not Installed
DIMM 3E Not Installed
DIMM 4A (DDR2-FBD) 1024 Mbytes (667 MHz)

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 108
When connected to the c7000 or c3000 enclosure service port how does a Windows-based laptop configured for DHCP acquire its IP address?

A. The laptop will receive an address in the 192.168.x.x address range from the DHCP server within the enclosure
B. The laptop will receive an address in the 169.254.x.x address range from the DHCP server within the enclosure
C. The laptop will timeout waiting for a DHCP server to respond and will assign itself an address in the 169.254.x.x address range
D. The laptop will timeout waiting for a DHCP server to respond and must have an address manually assigned in the same subnet as the enclosure.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
The laptop or PC connected to the enclosure service port must have DHCP enabled its network connection, and obtains a zero-conf IP address in the range 169.254.x.y after a DHCP timeout if the laptop or PC is running windows. If the laptop or PC is running Linux, you might have to manually set the network port to 169.254.2.1 with a netmask of 255.255.0.0.

QUESTION 109
Which new technologies are introduced in the new G7 Series c-Class server blades? (Select two)

A.
Fully Buffered DIMMs
B.
Flex-10 Ethernet support
C.
10Gb Ethernet on-board
D.
FlexFabric support

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
In designing ProLiant G7 c-Class server blades based on AMD Opteron processors, we used enterprise-class technologies to provide maximum flexibility, scalability, performance, and control to meet many types of customer needs:
• Two or four AMD Opteron 6200 Series processors
• HP Thermal Logic technologies
• HP advanced memory technologies
• Multiple PCIe Gen 2 x8 slots for I/O cards
• HP NC551i dual-port **FlexFabric** 10 Gb converged network adapters (CNAs) that support Ethernet, iSCSI, **Flex-10**, and Fibre Channel over Ethernet (FCoE)

• Up to two HP hot-plug internal disk drives and the HP Smart Array P410i controller with 1 GB flash-backed write cache (FBWC)
• HP advanced power monitoring and management

QUESTION 110
How often does the Hardware Status Polling task within HP SIM check communications status with all discovered devices?

A. Servers and non-servers are checked every five minutes
B. Servers and non-servers are checked every ten minutes
C. Servers are checked every five minutes; non-servers are checked every ten minutes
D. Servers are checked every ten minutes; non-servers are checked every five minutes

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
For servers that require constant vigilance (like Microsoft ® Exchange® servers), create a Hardware Status Polling task (based on a collection containing the Microsoft Exchange server systems) to run every 5 minutes. For file and print servers, create a separate Hardware Status Polling task to run once every hour. For desktops and portables, either change the polling frequency to once a day or week, or turn off Hardware Status Polling for these types of systems.

QUESTION 111
A BL490c G6 with a quad-port NIC is installed in mezzanine slot 1 of a c3000 enclosure. How many ports on the quad-port NIC are available for connectivity?

A. 0
B. 2
C. 4
D. 6

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 112
How many BL2x220c G6 server nodes can you fit in a c7000 enclosure?

A. 8
B. 16
C. 24
D. 32

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
The BL2x220c G6 supports the following enclosure:

The HP BladeSystem c7000 rack enclosure is 10U high and **holds up to 16 ProLiant BL2x220c Blades** (32 server
nodes) plugged vertically.
NOTE: Ten (10) fans are required in the c7000 enclosure.
NOTE: N + N power supply redundancy is not supported. N + 1 power supply redundancy is supported.
NOTE: The BL2x220c G6 is not supported in the c3000 enclosure.

QUESTION 113
Which utility should you use to gather detailed information about SNMP traffic on a Windows server?

A.
Microsoft Performance Monitor
B.
Microsoft Network Monitor
C.
Microsoft SNMP Monitor
D.
Microsoft System Event Viewer

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Network Monitor 3.4 is a protocol analyzer. It allows you to capture network traffic and view and analyze it.

QUESTION 114

When pairing an SB40c Storage Blade with an BL680c G6, in which mezzanine card slot will the Mezzanine Pass-Thru card be installed?

A. 1
B. 2
C. 3
D. 4

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
the BL680c G6 supports the SB40c Storage Blade through use of the HP PCI Express Mezzanine Pass-Thru Card installed in mezzanine slot 3

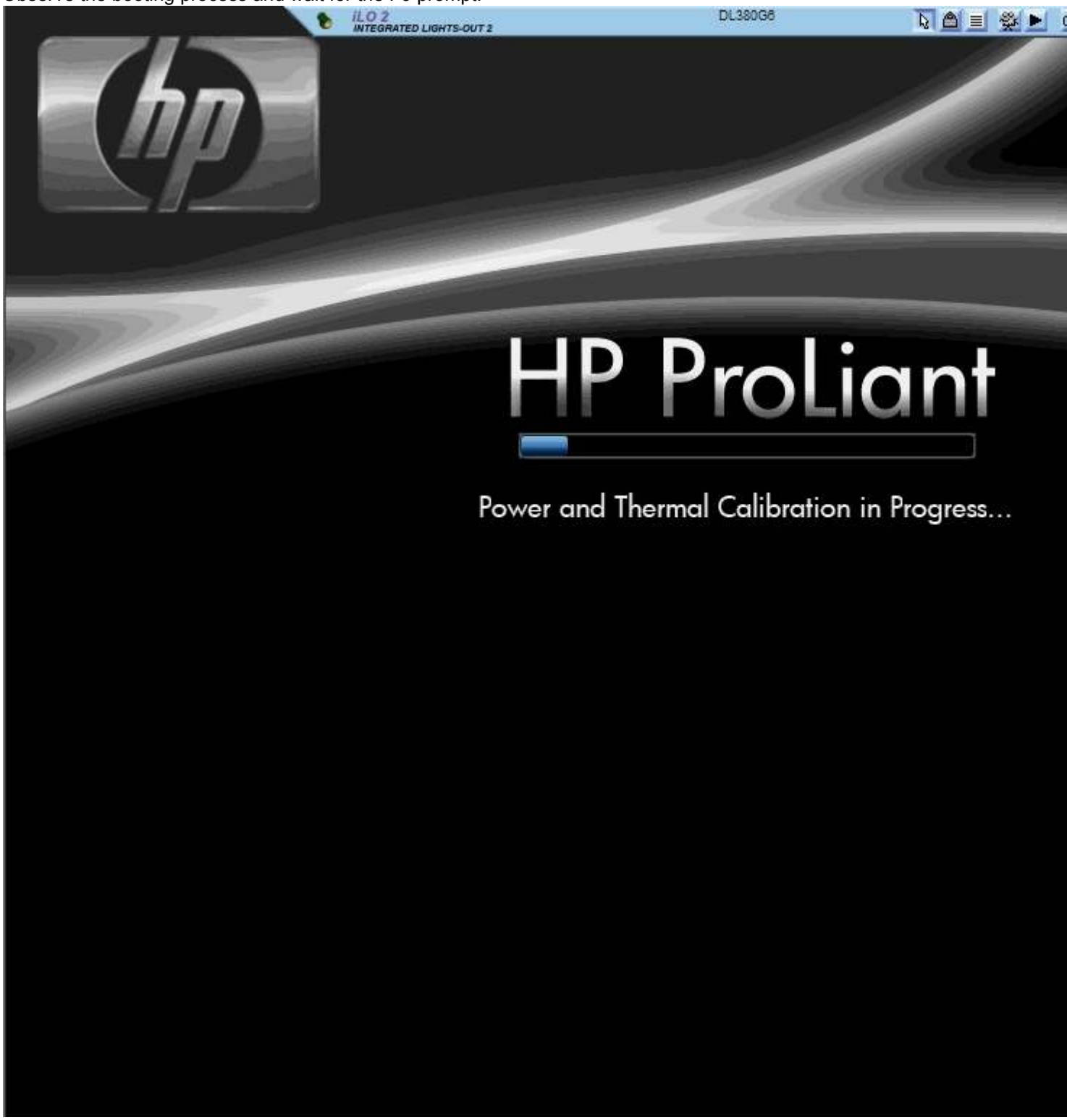
QUESTION 115
How do you access the RBSU?

A. Press F9 during POST.
B. Press F11 during POST.
C. Boot from Smart Setup Media.
D. Boot from Smart Start Media.

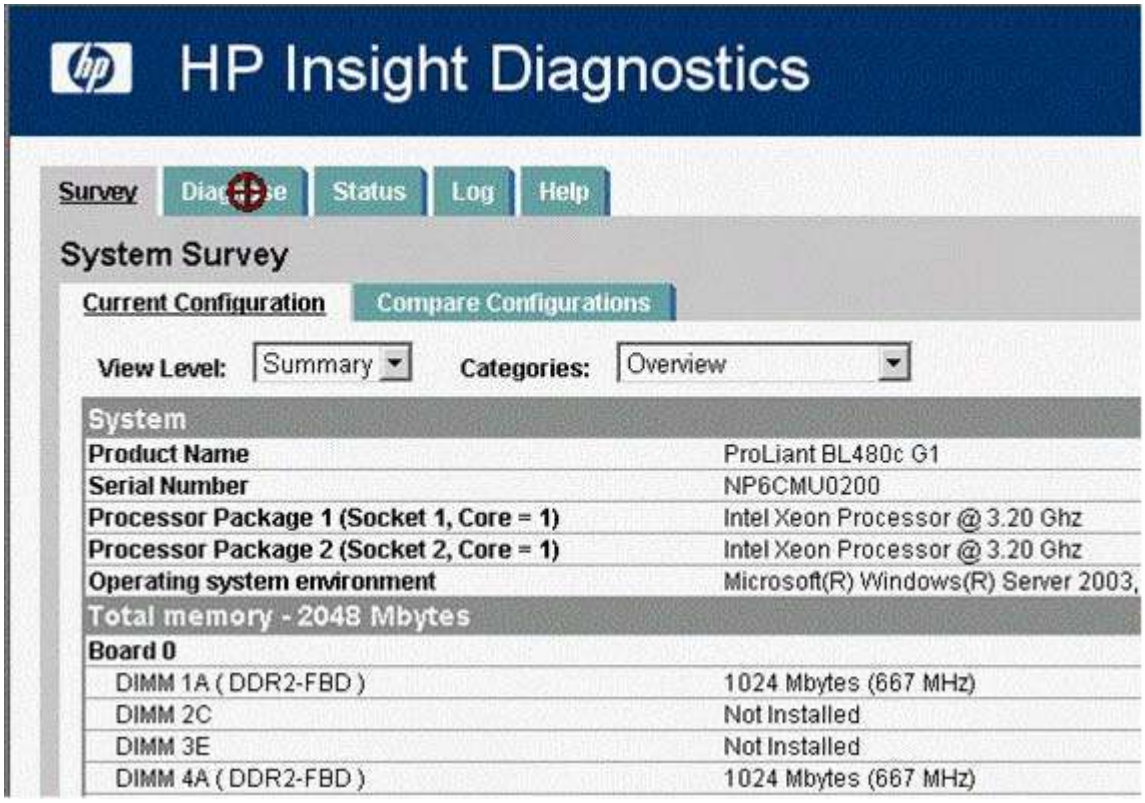
Correct Answer: A
Section: (none)

Explanation

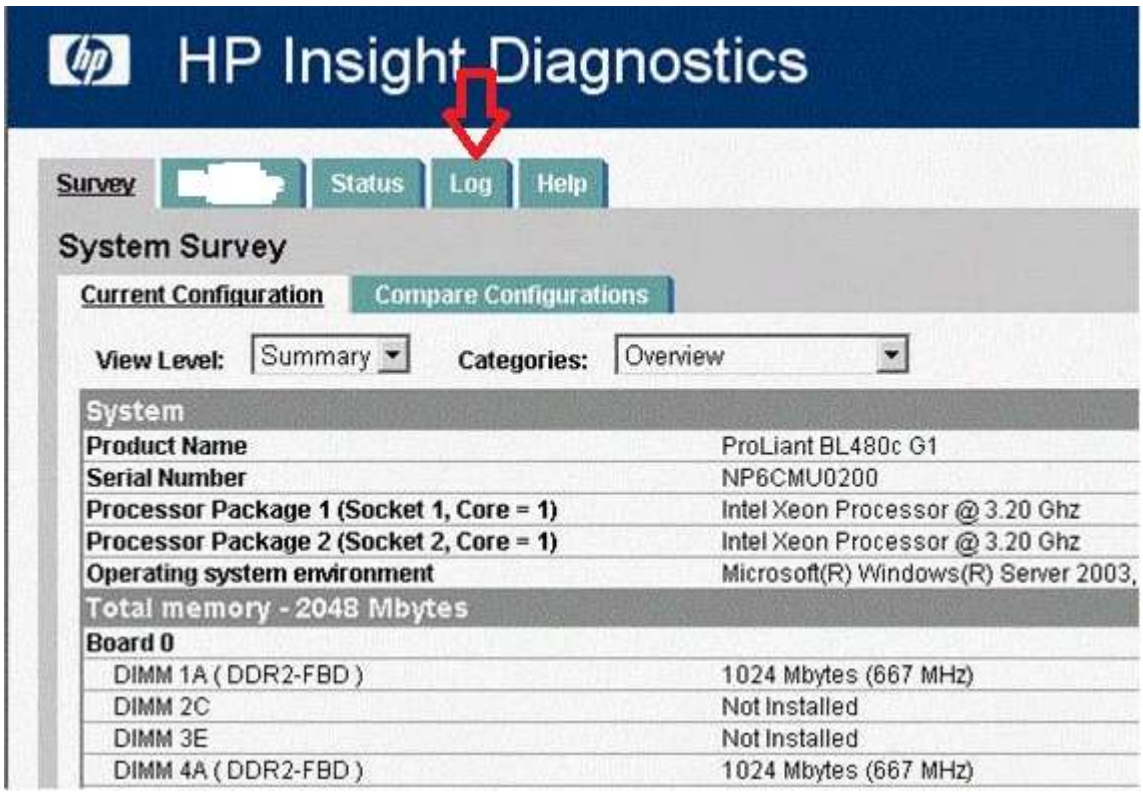
Explanation/Reference:
Observe the booting process and wait for the F9 prompt.



QUESTION 116
Click the area of the graphic where you view diagnostic test error information.



Answer:



Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:
To view all test failure information, view the Error Log on the Log tab.

The Log tab includes four logs containing historical testing and diagnosis information:
• Diagnosis Log displays the following details on the tested devices after Diagnose completes:
o The Pass/Fail status
o The list of devices diagnosed
o The number of times Diagnose ran
o The number of times the test failed
o The number of times the test passed
o The time it took to run Diagnose on each device during the last execution

• Test Log (only available in HP Insight Diagnostics Offline Edition) displays detailed offline test details.

• Error Log displays the tests that have failed during the diagnostic testing.

• Integrated Management Log displays POST errors and diagnostic errors. The IML records system events, critical errors, power-on messages, memory errors, and any catastrophic hardware or software errors that typically cause a system to fail. The IML enables the manipulation of this data.

QUESTION 117

Which benefits does the new DDR-3 memory technology offer? (Select three.)

A. bandwidth increased to 1333MHz
B. larger footprint
C. address parity detection
D.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 118
Which tool is used to enable Memory Lock-Step mode on a BL460c G6?

A. Insight Agent CLI
B. ProLiant SmartStart CD
C. HP System Management Homepage
D. ROM-Based Setup Utility

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Lock-Step mode is not default operation; it must be enabled in RBSU.

QUESTION 119
What is available as part of Advanced Infrastructure management on HP BladeSystems?

A. automatic installation of HP System Management Homepage
B. dynamic balancing of physical and logical resources
C. HP's improved secure SNMP
D. single console to display information about multiple devices

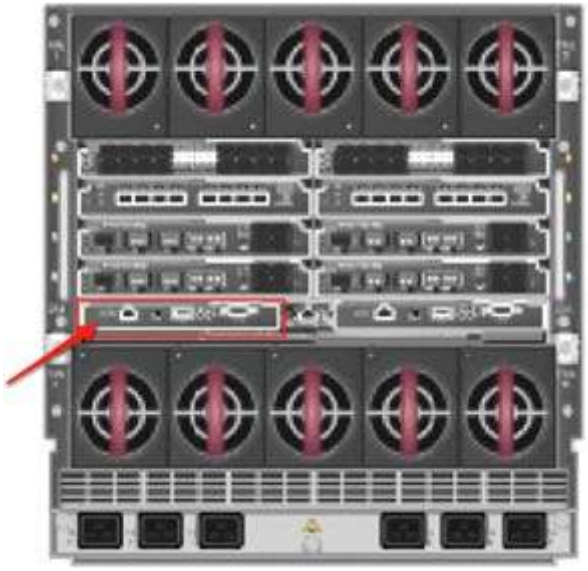
Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 120

Click on an Onboard Administrator module in the graphic.

Answer:

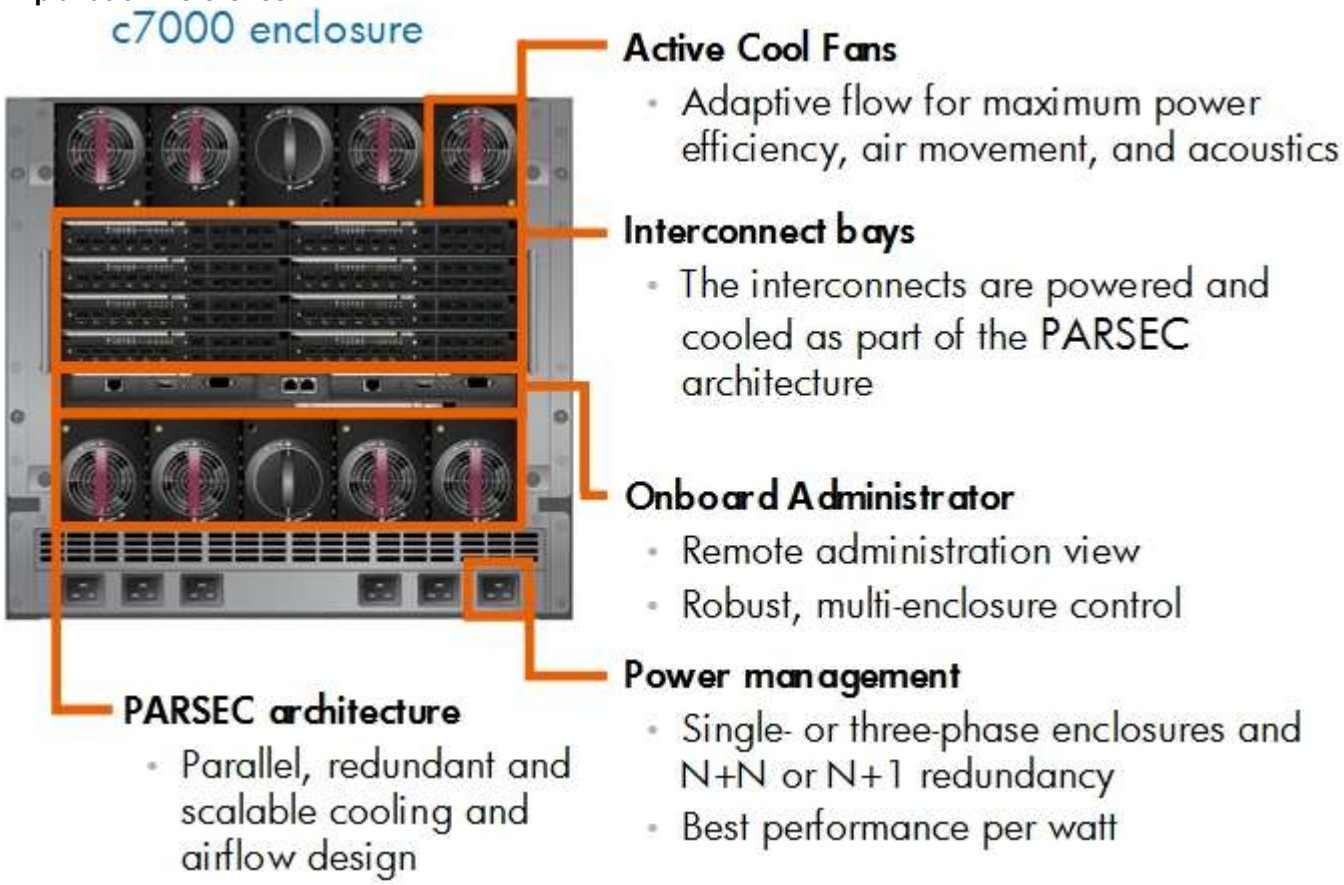


Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:


c7000 enclosure
Active Cool Fans
Adaptive flow for maximum power efficiency, air movement, and acoustics
Interconnect bays
The interconnects are powered and cooled as part of the PARSEC architecture
Onboard Administrator
Remote administration view
Robust, multi-enclosure control
Power management
Single- or three-phase enclosures and N+N or N+1 redundancy
Best performance per watt
PARSEC architecture
Parallel, redundant and scalable cooling and airflow design

QUESTION 121

Click on the Ethernet pass-thru module in the graphic.

Answer:

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 122
\Which HP mezzanine option supports hardware RAID for Solid State Drives (SSDs)?

A.
HP PCI Express Mezzanine Pass-Thru card
B.
HP StorageWorks IO Accelerator
C.
HP Smart Array P712m Controller
D.
HP Smart Array P700m Controller

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
HP Smart Array P712m Controller
HP Smart Array P712m/ZM 2-ports Int PCIe x8 SAS Controller 484299-B21
NOTE: **Provides RAID support on internal non-hot plug SSDs.**

QUESTION 123
Which HP BladeSystem component can be used for initial enclosure configuration and troubleshooting?

A. Enclosure Setup Wizard
B. Virtual Connect Manager
C. ProLiant Onboard Administrator
D. Insight Display

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
The Insight Display enables the rack technician to configure the enclosure initially

QUESTION 124
What can be installed in a PCI expansion blade? (Select two.)

A. one or two PCI-e cards
B. two PCI-X and two PCI-e cards
C. one or two PCI-X cards
D.
one PCI-X and one PCI-e card

Correct Answer: AC
Section: (none)

Explanation

Explanation/Reference:
The HP PCI Expansion Blade provides PCI card expansion slots to an adjacent c-Class server blade. It allows customers to add off-the-shelf PCI-X or PCI-e cards to these server blades – **up to two PCI-X or up to two PCI-e cards (these cannot be mixed).**

QUESTION 125
What can be used to prevent the mixing of hot and cold air to improve the cooling efficiency of c-Class enclosures installed in the 10000 Series cabinet? (Select two.)

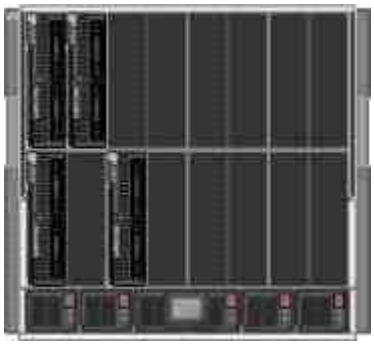
A. HP Rack Coupling Kit
B. HP 1U Universal Filler Panel
C. HP 10000 Series Rack Airflow Optimization Kit
D. HP 10000 G2 Series Front Doors

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
NOTE
800-mm racks include vertical filler panels for thermal management.

The HP Rack Airflow Optimization Kit helps seal air gaps inside the rack, between two bayed racks, and the clearance between the floor and the rack. The kit also prevents hot exhaust air from the rear of the rack from reaching the front of the rack through pressure differential between the hot and cold aisles. This feature maximizes server cold air intake, which improves datacenter cooling efficiency and reduces datacenter power usage.
The HP Rack Airflow Optimization Kit supports all HP 10000 Series (G1 and G2) rack heights including 22U, 36U, 42U, and 47U. It also supports 800-mm wide HP racks.

QUESTION 126
Refer to the exhibit below.



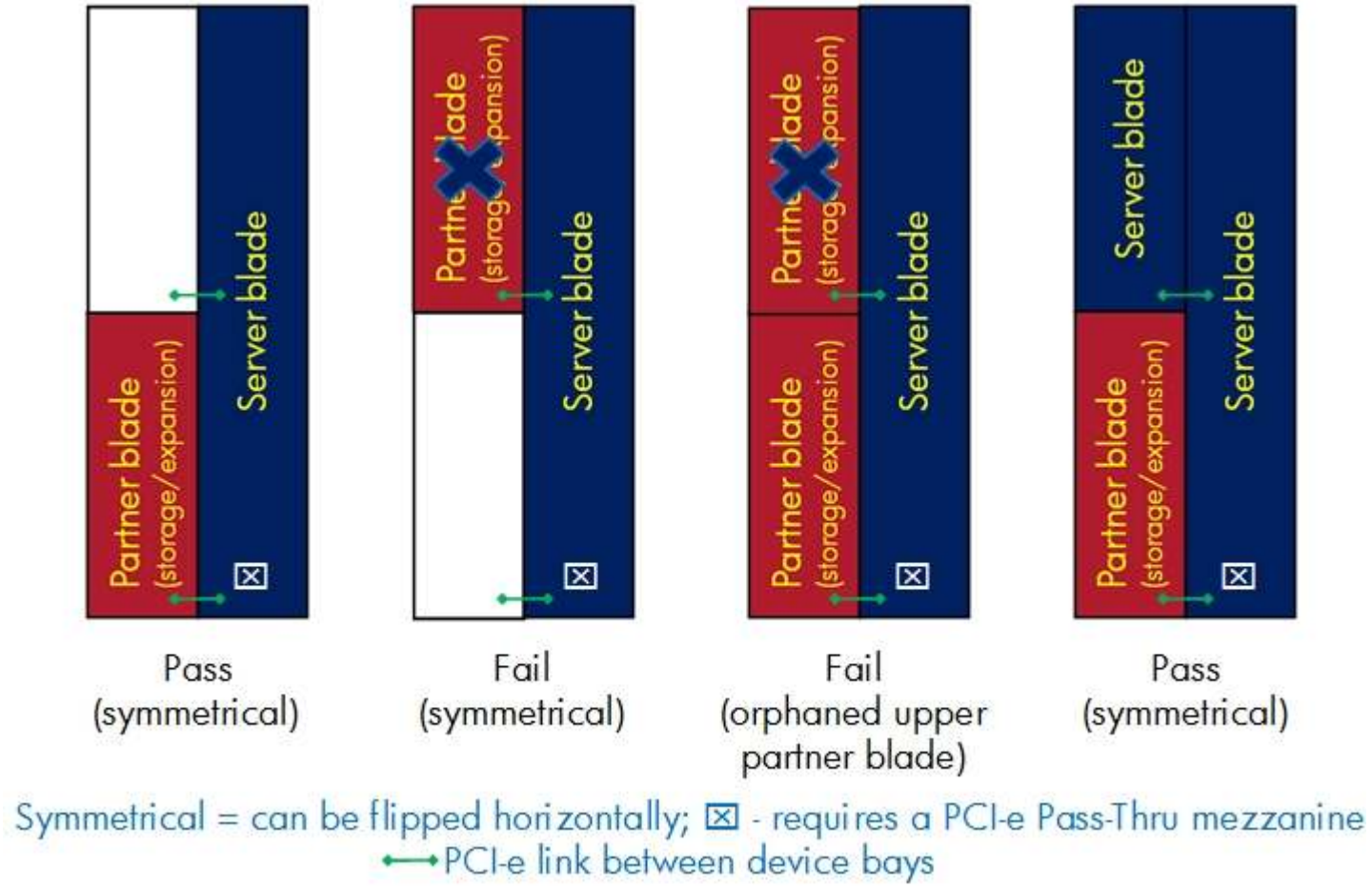
As shown in the exhibit, four BL460c G6 Server Blades are installed in a c7000 enclosure. What is the maximum number of BL680 Server Blades that can be added to this enclosure without powering off any blade?

A. 4
B. 5
C. 6
D. 12

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:


Server blade
Partner blade (storage/expansion)
Pass (symmetrical)
Fail (symmetrical)
Fail (orphaned upper partner blade)
Pass (symmetrical)
Symmetrical = can be flipped horizontally; ⊠ - requires a PCI-e Pass-Thru mezzanine
⟷ PCI-e link between device bays

QUESTION 127
What should a system engineer use to back up the configuration for a BladeSystem enclosure? (Select two.)

A.
Onboard Administrator GUI - Configuration Scripts option
B.
Onboard Administrator GUI - Rack Overview option
C.
Insight Display - Enclosure Settings
D.
Insight Display - USB Menu

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 128
A customer has a ProLiant BL680c G5 Server Blade with an Integrated HP Smart Array P400i Controller with

256MB ECC protected cache. An application runs slowly whenever there are large bursts of disk writes. How can this be prevented?

A.
by adding more internal disks to distribute the load
B.
by creating a larger swap file to handle the extra load
C.
by changing the internal disks from RAID 1 to RAID 5
D.
installing an optional 512MB cache with BBWC

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 129

Which address should you enter into your browser to remotely access an HP SIM interface?

A.
https://<MachineName>:50000/
B.
https://<MachineName>:2381/
C.
https://<MachineName>:8080/
D.
https://<MachineName>:2301/

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
common starting page of HPSIM http://localhost:280 and https://localhost:50000

QUESTION 130

A customer is having intermittent system problems a short time after deploying a new server blade. Which action should you take?

A.
Open a case with HP Technical Support.
B.
Replace the system board.
C.
Replace the system memory.
D.
Update the firmware to the latest levels.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 131

The customer has a single Onboard Administrator (OA), which needs to be replaced. What should you do before you replace the OA?

A.
Access the OA GUI or CLI and capture a system log.
B.
Telnet or SSH to the OA and collect a showall.txt.
C.
Browse to the OA and collect a script containing a list of the enclosure's current inventory.
D.
Use a USB key and the Insight Display to save the configuration.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
The recommended practice to create an enclosure configuration file is to use the GUI, CLI, or **Insight Display**
USB Key Menu to save the existing configuration to a file

QUESTION 132

What does a blinking amber LED usually indicate on a SATA hot plug drive?

A.
The drive has failed.
B.
The drive has a predictive failure.
C.
The drive is active and busy.
D.
The drive is active and offline.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
SAS and SATA hard drive LED combinations

Online/activity LED (green)	Fault/UID LED (amber/blue)	Interpretation
On, off, or flashing	Alternating amber and blue	The drive has failed, or a predictive failure alert has been received for this drive; it also has been selected by a management application.
On, off, or flashing	Steadily blue	The drive is operating normally, and it has been selected by a management application.
On	Amber, flashing regularly (1 Hz)	A predictive failure alert has been received for this drive. Replace the drive as soon as possible.
On	Off	The drive is online, but it is not active currently.
Flashing regularly (1 Hz)	Amber, flashing regularly (1 Hz)	**Do not remove the drive. Removing a drive may terminate the current operation and cause data loss.** The drive is part of an array that is undergoing capacity expansion or stripe migration, but a predictive failure alert has been received for this drive. To minimize the risk of data loss, do not replace the drive until the expansion or migration is complete.
Flashing regularly (1 Hz)	Off	**Do not remove the drive. Removing a drive may terminate the current operation and cause data loss.** The drive is rebuilding, erasing, or it is part of an array that is undergoing capacity expansion or stripe migration.
Flashing irregularly	Amber, flashing regularly (1 Hz)	The drive is active, but a predictive failure alert has been received for this drive. Replace the drive as soon as possible.
Flashing irregularly	Off	The drive is active, and it is operating normally.
Off	Steadily amber	A critical fault condition has been identified for this drive, and the controller has placed it offline. Replace the drive as soon as possible.
Off	Amber, flashing regularly (1 Hz)	A predictive failure alert has been received for this drive. Replace the drive as soon as possible.
Off	Off	The drive is offline, a spare, or not configured as part of an array.

QUESTION 133

What is used to automatically download software updates from HP?

A.
HP Subscribers Choice

B.
Version Control Agent (VCA)

C.
HP Systems Insight Manager (HP SIM)

D.

Version Control Repository Manager (VCRM)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
The software and firmware can be manually downloaded from http://www.hp.com directly to this directory, or you can use the capabilities of the Version Control Repository Manager to **automatically download software** or manually upload software from any Web client.

QUESTION 134

Your customer uses a c3000 enclosure with only one Virtual Connect Flex 10 module in bay 1. The Virtual Connect firmware needs to be updated and you are in the process of writing an action plan for this process. Which information needs to be included in this action plan?

A.
download location of the firmware
B.
information for possible elevation
C.
Statement of Work
D.
Virtual Connect Troubleshooting Guide

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 135

You are preparing to replace a system board on a BL680c. What should you do first?

A.
Remove the disk drive cage.
B.
Remove the cover.
C.
Remove the processors.
D.
Connect the ESD strap.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 136

The customer replaced a server blade that had been backed up to an Ultrium 448 Tape Drive. How should you restore the server blade and have it fully functional?

A.
During POST, you select F9 to restore from tape.

B.
You power up the server blade and hold down the One-Button Disaster Recovery (OBDR) button.

C.
You insert the tape that has the backup of the server, then power up the blade.

D.
You power up the blade and select F9 during POST to enter into the RBSU. In the RBSU, you select Restore from tape

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
The HP Ultrium 448c Tape Blade provides a disaster recovery solution for the adjacent ProLiant server blade. When used in conjunction with HP Data Protector Express Single Server Edition data protection software, the tape blade automatically creates a disaster recovery tape from the latest full backup set.

So what's special about the OBDR capability in the HP Ultrium 448c Tape Blade? All other disaster recovery solutions for servers rely on the manual preparation of a set of disaster recovery floppy disks and/or CDs. The minute your system changes -- a new piece of software or a new peripheral is added, for example -- these disaster recovery disks are out of date. With HP One-Button Disaster Recovery (OBDR), you can automatically save your latest configuration every time you make a standard full backup set.

Likewise, many other disaster recovery solutions require a manual system recovery -- a process that takes time and extensive technical knowledge. If it is not done properly, you run the risk of further system failures. With HP One-Button Disaster Recovery, you will never have to perform a manual system recovery -- ensuring you, and your colleagues can quickly get back to business. You can quickly, reliably and simply restore your entire system just by inserting the most recent backup tape and pushing one button on the tape drive. Your HP Ultrium 448c Tape Blade will restore your operating system, configuration, applications, drivers and data files. The sheer simplicity of OBDR means the risk of a user error during recovery, and therefore subsequent recovery failure, is significantly reduced.

QUESTION 137

How can you access the RBSU to verify Advanced Processor settings? (Select two.)

A.
Press F9 during POST.

B.
Use Windows RBSU Configuration Utility.

C.
Use BIOS USB Console.

D.
Use BIOS Serial Console.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Through BIOS Serial Console and EMS console redirection, you can view POST error messages and run RBSU remotely through a serial connection to the server COM port or iLO Virtual Serial port. The remote server does not require a keyboard or mouse.

QUESTION 138

Which statement is true about creating a repository for implementing Version Control Repository Manager (VCRM)?

A.
There can be only one repository in the customer's environment.
B.
Servers with Version Control Agents (VCAs) must reside on the same subnet as the repository
C.
There can be multiple repositories in the customer's environment.
D.
There must be an HP SIM server associated with the repository

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
About software repositories
The practice of updating HP Service Pack for ProLiant , ProLiant and Integrity Support Packs and Components from a single or **multiple** repositories saves time and is key to standardizing software maintenance and update procedures on distributed systems.
NOTE: Default installation of an HP Version Control Repository Manager (HP VCRM) can manage only the repository that is located on the server on which HP VCRM is installed.
For maximum manageability and flexibility across operating system platforms, each repository that is created should be:
• Located on a local drive with write access
• Updated automatically by the HP VCRM
• Managed by HP VCRM

QUESTION 139

A customer recently lost data due to a failed disk drive in their BL460c Server. What should you recommend to minimize data loss in case of disk drive failure in the future?

A.
Upgrade to RAID 0.
B.
Upgrade to RAID 1.
C.
Upgrade to RAID 5.
D.
Upgrade to RAID 0+1.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 140

Which statement is true about the background color of the Insight Display?

A.

If there is an error detected in the Insight Display, the background color will be amber regardless of the status of the enclosure UID indication

B.

If the enclosure UID is active, the Insight Display background color will be blue

C.

An Insight Display background color of green will override a red error indication

D.

The enclosure UID cannot be enabled if there is an error detected by the Onboard Administrator

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 141

How can you improve mouse responsiveness when using the remote console of the iLO 2 card?

A.

Enable the High Performance Mouse options.

B.

Disable COM Port Emulation mode.

C.

Enable PS2 Port Emulation mode.

D.

Run the Windows Server in Safe mode.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
*From the Web Administration page for the iLO2, Click the Remote Console tab on the top
*Click Settings
*The first entry is High Performance Mouse, change this from Automatic to Enabled

QUESTION 142

When the enclosure management address is not configured, which tool is used to check the Onboard Administrator (OA) Service IP?

A.

HP Systems Insight Manager

B.
OA Management Homepage
C.
Onboard Administrator CLI
D.
Insight Display

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 143

What is required to recover from a failed Onboard Administrator (OA) firmware upgrade? (Select three.)

A. local access to the enclosure
B. a DHCP and FTP server accessible by OA
C.
OA firmware in a .bin file
D.
keyboard and monitor attached to the KVM port of OA

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:
To successfully recover an Onboard Administrator from a failed flash, you must have the following:

Local access to the enclosure
A DHCP server accessible by the Onboard Administrator
A TFTP server accessible by the Onboard Administrator
Onboard Administrator firmware (.bin file)

To recover from a failed flash use one of the following processes:

If you have only one Onboard Administrator in the enclosure or you want to Flash Recover the Active OA:
With a null-modem cable (9600 N, 8, 1, VT100), locally connect to the Onboard Administrator.
Press and hold the Reset button of the Onboard Administrator for 5 seconds.
On the serial console, when you are prompted for Flash Recovery or Reset Password, press F. The Onboard Administrator obtains an IP address through DHCP.
At the prompt for the TFTP server IP address (where the Onboard Administrator image files are stored), enter the appropriate IP address.
You are prompted for the path to the Onboard Administrator firmware image. The Onboard Administrator downloads the image and flashes itself.

QUESTION 144

What can be used to reboot the Active or Standby Onboard Administrator (OA) module?

A.
ASR implemented on the OA level
B.
enclosure link-down port
C.
enclosure Reset button at the rear of the enclosure
D.
Insight Display

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 145

Which port must be used to connect to the Onboard Administrator (OA) using Service IP?

A.
any port of the interconnect in bay 1
B.
USB port on active OA
C.
standby OA network port
D.
enclosure link-up port

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
The Onboard Administrator service port is the enclosure link-up connector which also has a laptop icon next to the up arrow. When the enclosure link connectors are used to link enclosures, the top enclosure link-up connector will be the Service Port for all the linked enclosures. This port is a 100BaseT Ethernet jack and may be directly connected to a laptop or PC RJ45 Ethernet connector using a standard CAT5 patch cable as the wiring on the link-up connector is crossed over to allow direct connect to a PC 100BaseT connector.
The Service Port provides direct connection to any of the active Onboard Administrator modules in all linked enclosures or just the active Onboard Administrator module in a single enclosure if there are no other linked enclosures. The network connection is private to the enclosures and cannot be used to access any device outside the internal enclosure management network. It can be used to directly access the active Onboard Administrator at the active service IP address, found on that enclosure Insight Display, Enclosure Info screen.
The laptop or PC connected to the enclosure service port must have DHCP enabled its network connection, and obtains a zero-conf IP address in the range 169.254.x.y after a DHCP timeout if the laptop or PC is running windows. If the laptop or PC is running Linux, you might have to manually set the network port to 169.254.2.1 with a netmask of 255.255.0.0.
To access an active Onboard Administrator GUI—Use the active OA service IP address from the Insight Display on that enclosure as the web address in your laptop or PC browser. Log into the OA with a configured user account and password.
To access an active Onboard Administrator CLI—Use a Telnet or SSH program based on the configured network access settings and connect to the active OA service IP address. Log into the OA with a configured user account and password.

QUESTION 146

A customer installed sixteen server blades and two GbE2c switches in a c7000 enclosure. The customer reports that none of the servers have a LAN connection. How you can solve this problem?

A.

Enable iSCSI and RDMA options for embedded multifunction NIC cards.

B.

Verify GbE2c switches are installed into bays 1 and 2.

C.

Replace GbE2c switches with the Flex-10 10 Gb Ethernet module to manage all LAN interfaces.

D.

Install two additional LAN GbE2c switches into bays 5 and 6 to cover all LAN interfaces.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 147

Which command should you use to gather information about the software patches installed on a Linux server?

A.

sysinfo

B.

rpm

C.

swlist

D.

patch

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 148
What are features of HP iLO Advanced Pack for HP BladeSystems? (Select three.)

A. virtual media

B.

dedicated NIC

C.

multi-factor authentication

D.

Directory Services Integration

Correct Answer: ACD

Section: (none)
Explanation

Explanation/Reference:
Integrated Lights-Out Advanced Pack provides HP customers with an easy upgrade to full Lights-Out functionality on their Integrated Lights-Out Standard enabled ProLiant servers. The Integrated Lights-Out Advanced Pack features Virtual Graphical Console, Microsoft Terminal Services integration, **Virtual Media** (floppy, CD, USB flash drive and image), **directory services integration and multi-factor authentication** that offer IT managers with true virtual presence and control of their distributed remote sites and data centers. Using the Integrated Lights-Out Advanced, IT managers can perform all the "in-front-of-the-server" functions such as deployment, diagnostics, ROM upgrades, configuration, and maintenance without physically visiting the server.

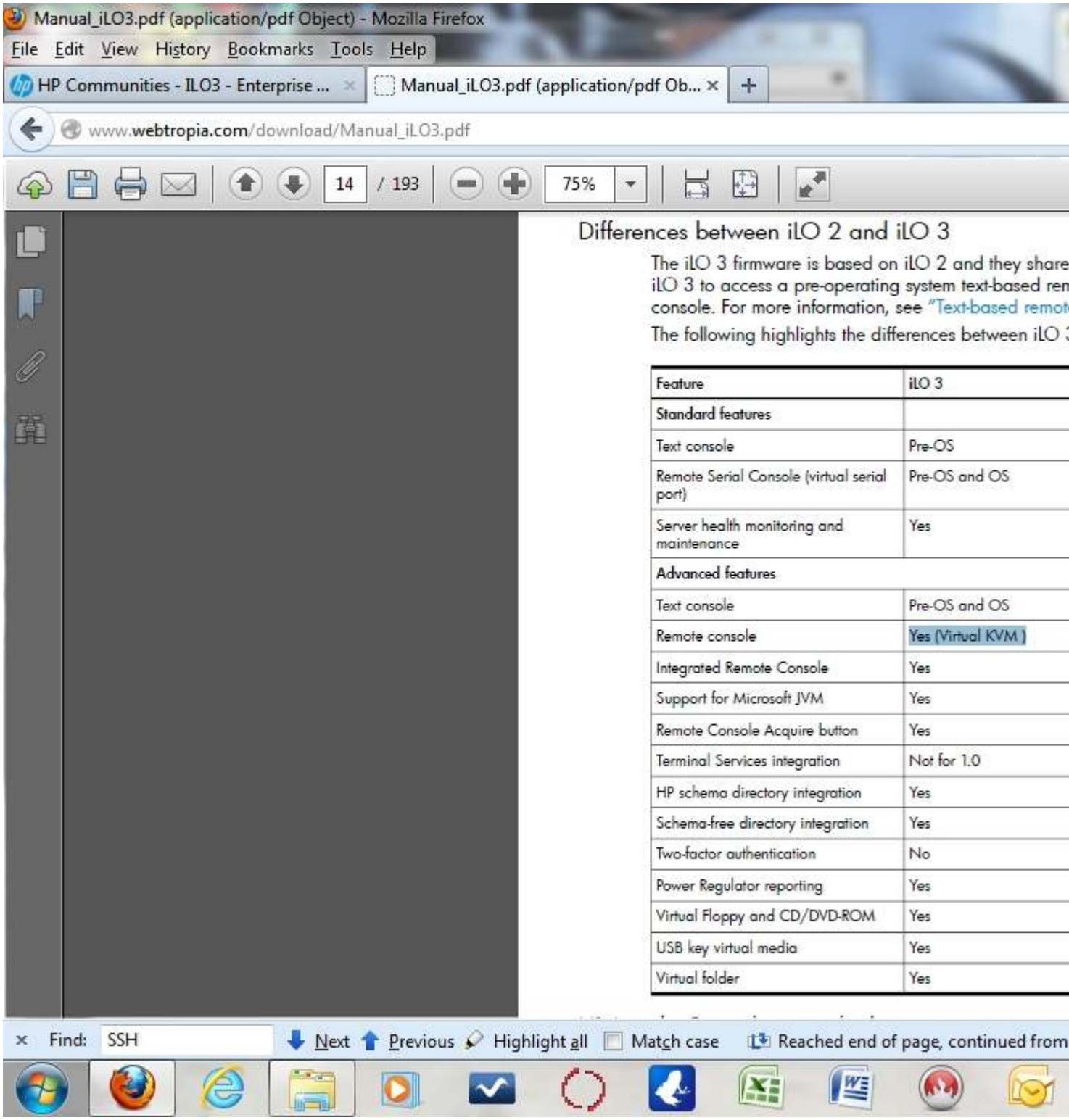
QUESTION 149

Which iLO 2 features were removed in iLO 3? (Select two.)

A.
virtual KVM
B.
virtual serial port applet
C.
SSH interface
D.
Telnet interface

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Differences between iLO 2 and iLO 3
The iLO 3 firmware is based on iLO 2 and they share many common features. However, to use iLO 3 to access a pre-operating system text-based remote console, you must use the remote serial console.


Manual_iLO3.pdf (application/pdf Object) - Mozilla Firefox
File Edit View History Bookmarks Tools Help
HP Communities - ILO3 - Enterprise ...
Manual_iLO3.pdf (application/pdf Ob...
www.webtropia.com/download/Manual_iLO3.pdf
14 / 193
75%
Differences between iLO 2 and iLO 3
The iLO 3 firmware is based on iLO 2 and they share
iLO 3 to access a pre-operating system text-based ren
console. For more information, see "Text-based remot
The following highlights the differences between iLO
Feature | iLO 3
Standard features
Text console | Pre-OS
Remote Serial Console (virtual serial port) | Pre-OS and OS
Server health monitoring and maintenance | Yes
Advanced features
Text console | Pre-OS and OS
Remote console | Yes (Virtual KVM)
Integrated Remote Console | Yes
Support for Microsoft JVM | Yes
Remote Console Acquire button | Yes
Terminal Services integration | Not for 1.0
HP schema directory integration | Yes
Schema-free directory integration | Yes
Two-factor authentication | No
Power Regulator reporting | Yes
Virtual Floppy and CD/DVD-ROM | Yes
USB key virtual media | Yes
Virtual folder | Yes
Find: SSH
Next Previous Highlight all Match case
Reached end of page, continued from

QUESTION 150

Which resource can be used to identify the warranty status of an HP BL460c G6 Server Blade?

A.
IT Resource Center

B.
HP Service Advisory
C.
HP Onboard Administrator
D.
HP Service Dashboard

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
IT Resource Center
The ITRC can provide you with instant information regarding the warranty status for any of your HP Enterprise products.

A warranty check tool displays the details of product warranties for specific serial numbers. Click warranty check on this web page: http://www2.itrc.hp.com/

QUESTION 151

You need to capture the configuration and support dump of several Virtual Connect domains. Which tool can be used to perform this action from a central system?

A.
Insight Control
B.
Virtual Connect Enterprise Manager
C.
Virtual Connect Support Utility
D.
Systems Insight Manager

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
The first and most common method is to log into the VC manager GUI. Click on the Tools dropdown, and select Export Support Information . Wait for the save screen and save to a file location.
If the GUI is not reachable, the Virtual Connect Support Utility (VCSU) can be used. The VCSU is available for download in the utilities section of the firmware download web location.

QUESTION 152

After executing a troubleshooting plan, which tools may provide indications of a successful remedy in step 5 of the 6-step HP Troubleshooting Methodology? (Select two.)

A.
HP Screwdriver Toolkit
B.
Integrated Management Log (IML)
C.
MSDN Toolkit

D.
OS Event Log

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 1

If you install two Onboard Administrator modules in a c7000 enclosure with different firmware revisions, which module will be active by default ?

A. the one on the left
B. the one on the right
C. the one with the lowest firmware regardless of position
D. the one with the highest firmware regardless of position

Correct Answer: A
Section: (none)
Explanation

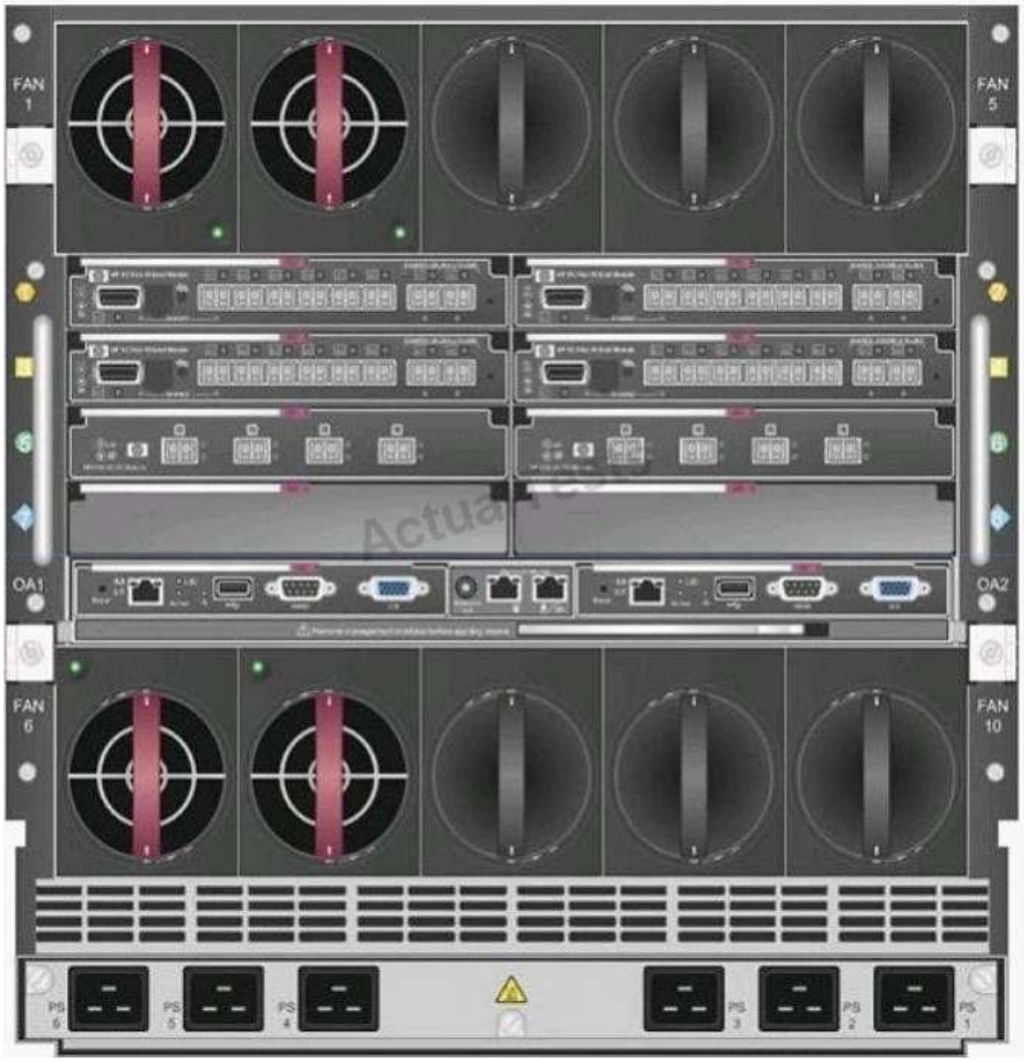
Explanation/Reference:
Redundant Onboard Administrator modules

When two Onboard Administrator modules are installed, either module can be the active module. The other becomes the standby module.
Configuration data is constantly replicated from the active Onboard Administrator module to the standby Onboard Administrator module, regardless of the bay in which the active module currently resides.

If you install two Onboard Administrator modules of the same firmware revision, **the one on the left** of the enclosure will be the active one. If two Onboard Administrator modules installed into the same enclosure have different firmware versions, the automatic configuration sync is disabled. Both Onboard Administrator modules will put a clear entry into syslog stating exactly which version is on which Onboard Administrator and how to upgrade them. However, the different firmware versions do not affect which module is active or standby. The same rules apply.

QUESTION 2

How many half-height blades can you install in the enclosure shown?



A. 2
B. 4
C. 6
D. 8

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Fan location rules

The c7000 enclosure ships with four Active Cool 200 Fans and supports up to 10 fans. Install fans in even-numbered groups, based on the total number of server blades installed in the enclosure:

- Four server blades — Install fans in bays 4, 5, 9, and 10.
- Six server blades — Install fans in bays 3, 4, 5, 8, 9, and 10.
- Eight server blades — Install fans in bays 1, 2, 4, 5, 6, 7, 9, and 10.
- Ten server blades — Install fans in all bays.

! Important
If the fans are not in these exact locations, the thermal subsystem will be degraded and no newly inserted server will be allowed to power up.

QUESTION 3

An engineer is trying to insert an I/O Accelerator card into a blade server. Which mezzanine slot is appropriate?

A. mezzanine slot 3 only
B. type 1 mezzanine slot only
C. any available mezzanine slot
D. type 2 mezzanine slot only

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
I/O expansion slots - The BL460c Gen8 server supports two I/O expansion mezzanine slots:

- X16 PCI Express Type A – Supports dual-port mezzanine cards.
  One port is routed to interconnect module bay 3 and the other to bay 4.

- X16 PCI Express Type B – Supports dual-port and quad-port mezzanine cards.
  For dual-port cards, one port is routed to interconnect bay 5 and the other to bay 6.
  For quad-port cards, one port is routed to interconnect bays 5, 6, 7, and 8.

QUESTION 4

Your customer used RAID 1+0, lost two drives, and the array failed. What can you recommend to better address the need for any two drive failures at the same time?

A. RAID 1
B. RAID 5
C. RAID 6
D. RAID 10

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Standard levels:

- RAID 6 (block-level striping with double distributed parity) provides fault tolerance up to **two** failed drives

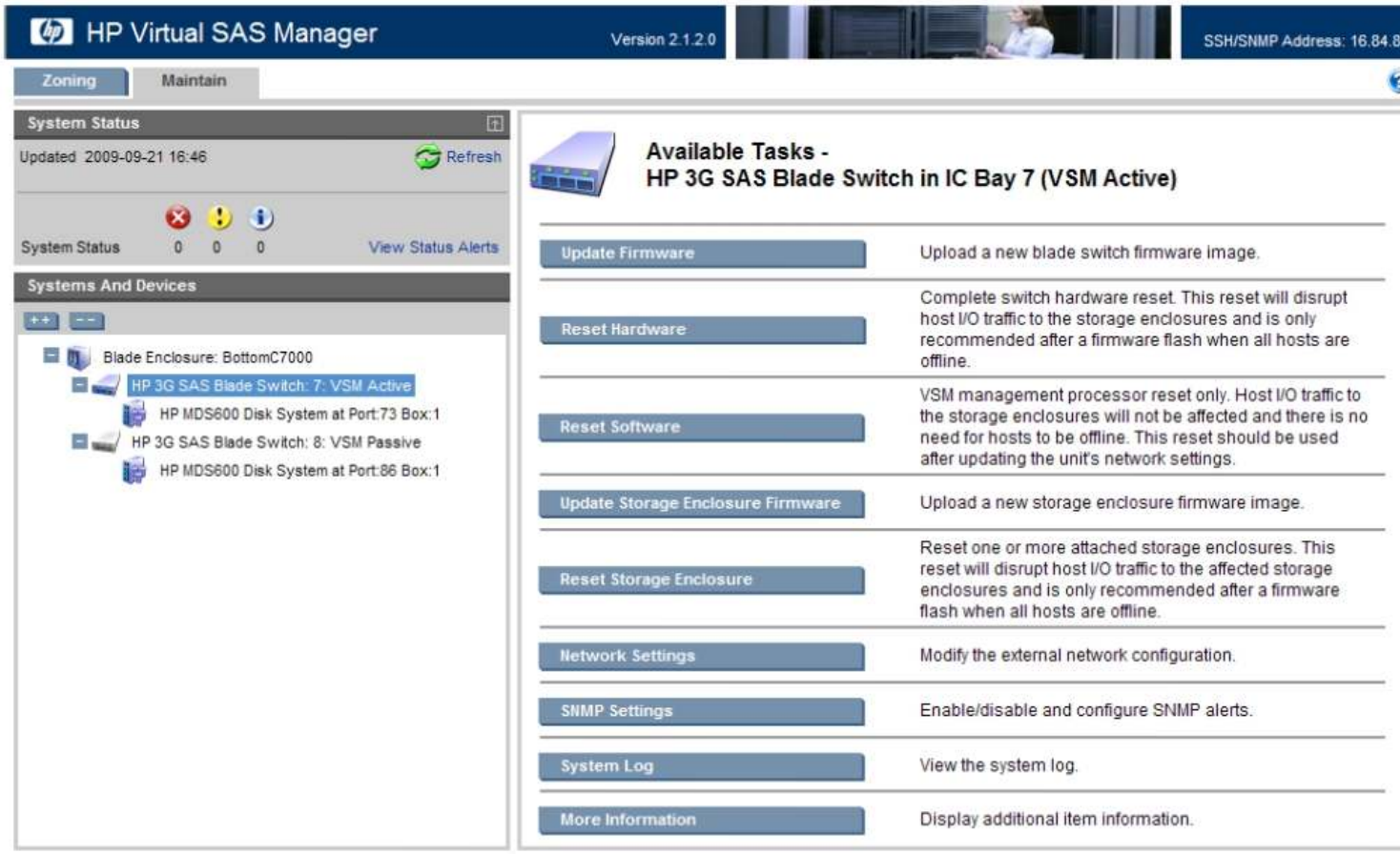
QUESTION 5

Which tool can be used to upgrade the firmware of 3Gb SAS BL Switch?

A. Virtual SAS Manager
B. System Insight Manager
C. Virtual Connect Manager
D. Centralized Management Console

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
HP Virtual SAS Manager


HP Virtual SAS Manager
Version 2.1.2.0
SSH/SNMP Address: 16.84.8
Zoning
Maintain
System Status
Updated 2009-09-21 16:46
Refresh
System Status
0
0
0
View Status Alerts
Systems And Devices
Blade Enclosure: BottomC7000
HP 3G SAS Blade Switch: 7: VSM Active
HP MDS600 Disk System at Port:73 Box:1
HP 3G SAS Blade Switch: 8: VSM Passive
HP MDS600 Disk System at Port:86 Box:1
Available Tasks -
HP 3G SAS Blade Switch in IC Bay 7 (VSM Active)
Update Firmware
Upload a new blade switch firmware image.
Reset Hardware
Complete switch hardware reset. This reset will disrupt host I/O traffic to the storage enclosures and is only recommended after a firmware flash when all hosts are offline.
Reset Software
VSM management processor reset only. Host I/O traffic to the storage enclosures will not be affected and there is no need for hosts to be offline. This reset should be used after updating the unit's network settings.
Update Storage Enclosure Firmware
Upload a new storage enclosure firmware image.
Reset Storage Enclosure
Reset one or more attached storage enclosures. This reset will disrupt host I/O traffic to the affected storage enclosures and is only recommended after a firmware flash when all hosts are offline.
Network Settings
Modify the external network configuration.
SNMP Settings
Enable/disable and configure SNMP alerts.
System Log
View the system log.
More Information
Display additional item information.

HP Virtual SAS Manager (VSM) is embedded in the 3Gb SAS BL Switch firmware and is the software application used to create hardware-based zone groups to control access to external SAS storage enclosures and tape devices.
VSM enables you to perform the following key tasks:

- Enter switch parameters
- Create zone groups
- Assign zone groups to servers
- Reset the switch
- Update firmware

QUESTION 6

Which CSR category allows a customer to habe HP replace a failed part under warranty at no additional charge?

A. CSR optional

B. CSR Advance Unit Replacement
C. CSR express
D. CSR mandatory

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Currently, HP identifies two types of Customer Self Repair parts - '**Mandatory**' and **'Optional'**.

'Mandatory' requires standard warranty customers to perform part replacement or pay for HP service. Self repair is optional for customers with an HP Care Pack or support agreement. 'Optional' allows the customer to perform part replacement or have HP service personnel perform it at no additional charge during the product warranty period.

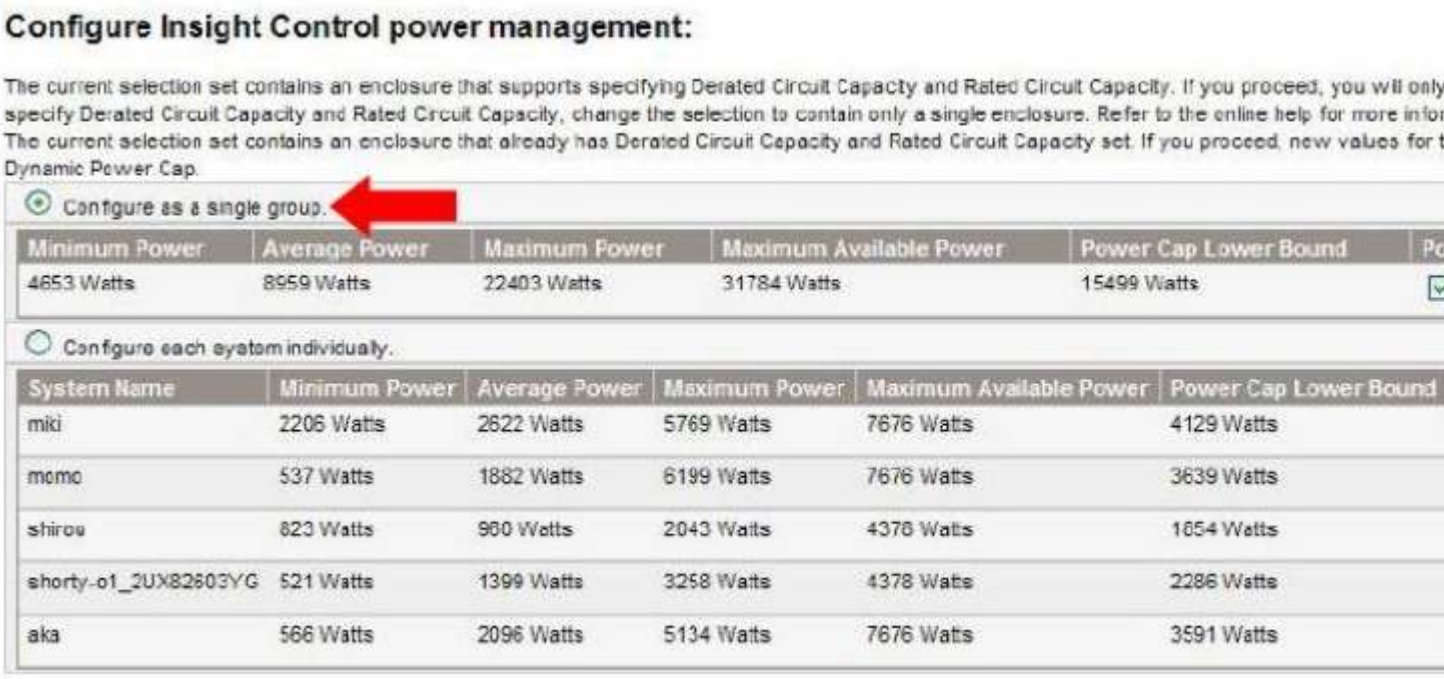
QUESTION 7

What is needed to support Enclosure Dynamic Power Capping?

A. redundant power supply
B. redundant onboard administrator
C. Insight Control power management software
D. Intelligent PDU and Intelligent extension bars

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Group of enclosures in Insight Control



QUESTION 8

How many power supplies are needed for an (N+N) configuration in a c7000 enclosure?

A. 3
B. 4
C. 5
D. 7

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
AC Redundant

In the N+N AC Redundant power mode, a minimum of two power supplies is required. N power supplies provide power and N provides redundancy, where N can equal 1, 2, or 3.

QUESTION 9

Which memory configuration types are supported in the Gen8 ProLiant Blade servers? (Select two.)

A. SDIMM
B. SODIMM
C. RDIMM
D. UDIMM
E. DDR2

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
HP SmartMemory - Lower voltage DIMMs allow faster operation speeds and greater DIMM counts. A unique signature written to the memory serial presence detect (SPD) on each DIMM verifies to ProLiant Gen8 servers that SmartMemory is installed and has passed the rigorous HP qualification and test process. SmartMemory can be managed through the HP Active Health system.

Types of HP SmartMemory include:

- Registered DIMMs (**RDIMM**)
- Unbuffered with ECC DIMMs (**UDIMM**)
- Load-reduced DIMMs (**LRDIMM**)

HP SmartMemory allows for greater performance and greater capacity. Some Gen8 server blades can be equipped with up to 512 GB of memory.

QUESTION 10

Which iLO3 MP logs should be looked at to check the hardware status of an HP Integrity BL870c i2 Server Blade? (Select two.)

A. Syslog log
B. System Event log
C. Forward Progress log
D. Machine Check log
E. Resource Monitor log

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

RRL:

Manual HP Integrity iLO 3 Operations Guide, Seite 35

QUESTION 11

Which feature should you enable in RBSU in a G7 server to reduce processor power usage and improve overall performance in some applications?

A. Intel Hyperthreading Options
B. HP Dynamic Power Savings Mode
C. Processor Core Disable
D. HP Static Low Power Mode
E. OS Control Mode

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:
Reference:http://www.scribd.com/doc/46311510/10/Processor-Options-G7-servers(p. 23, processor Core Disable)

Processor Core Disable

- Reduces processor power usage and improves overall performance
- Improves overall performance for applications that benefit from higher performance cores rather than from additional processing cores
- Addresses issues with software licensed on a per-core basis

HP Static Low Power Mode

- Reduces processor speed and power usage
- Guarantees a lower maximum power usage for the system
- The impact on performance is greater for environments with higher processor utilization.

HP Dynamic Power Savings Mode

- Automatically varies processor speed and power usage based on processor use
- Reduces overall power consumption with little or no impact to performance
- Does not require OS support

OS Control Mode

- Processors run in the maximum power and performance state, unless the OS enables a power management policy.

Intel Hyperthreading

Is a toggle setting that allows Intel Hyperthreading Technology to be enabled or disabled, though it is enabled by default.
Intel Hypertreading delivers two logical processors that can execute multiple tasks simultaneously using shared hardware resources of a single processor core.

QUESTION 12

A c7000 enclosure is fully populated with power supplies. Each power supply will have 2400W available if the N +1 power mode is configured. What is the total amount of available power?

A. 7200W
B. 12000W
C. 14400W
D. 16800W

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Power Supply Redundant

The graphic shows two circuits (circuit A and B) being used. This is possible but not necessary for the power supply redundant mode. Total power for the **c7000** enclosure is total power available, less one power supply. A **5+1** configuration **= 12000W**.

The c3000 enclosures can provide up to 6000W in a 5+1 configuration.

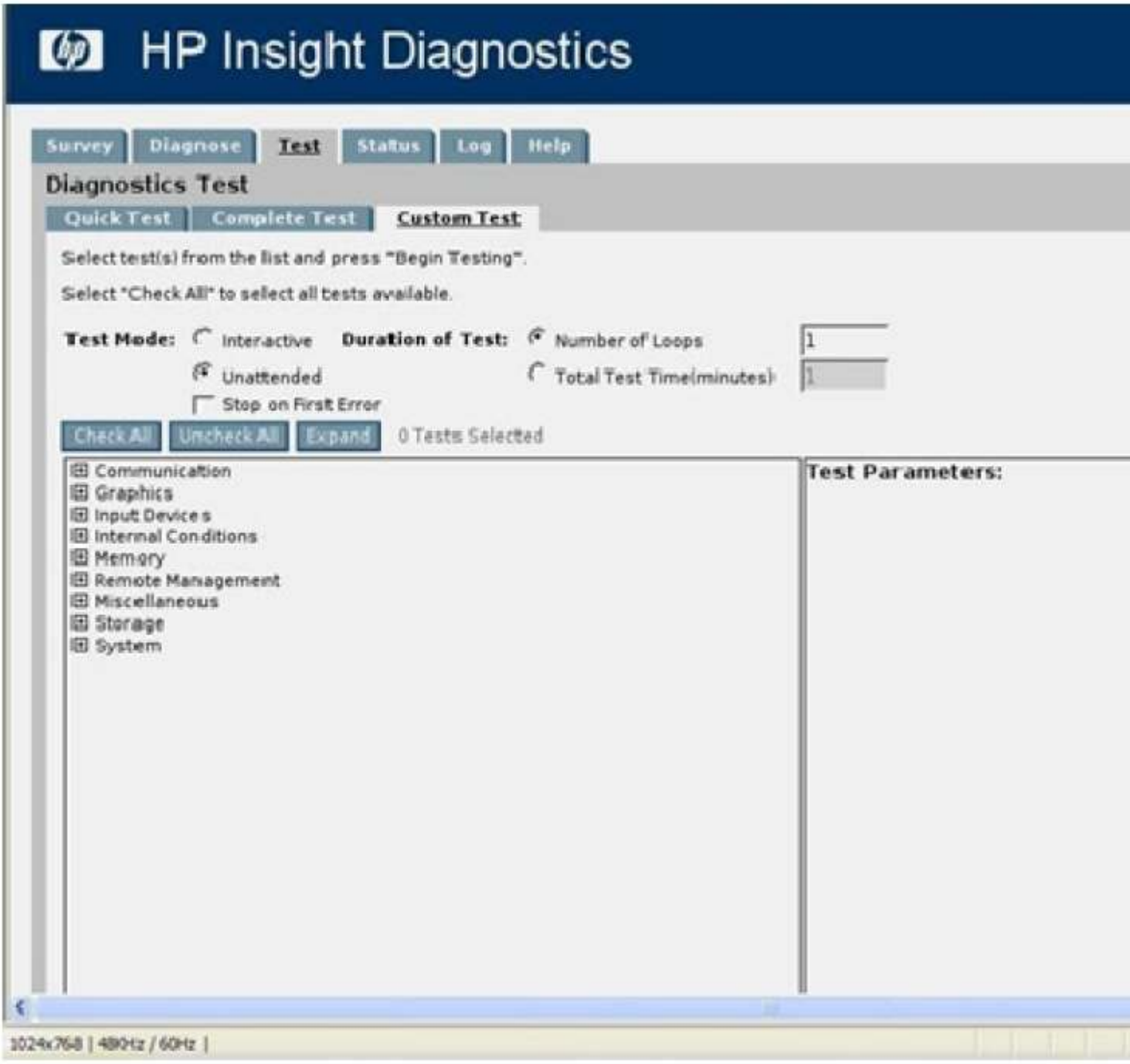
QUESTION 13

After replacing a defective memory module, you boot the latest version of SmartStart so you can run a custom diagnostic test to ensure that previous problems have been resolved. After loading HP Insight Diagnostics, which tab should you choose to set up a user-defined memory test?

A. Complete Test
B. Diagnose
C. Quick Test
D. Custom Test

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:



QUESTION 14

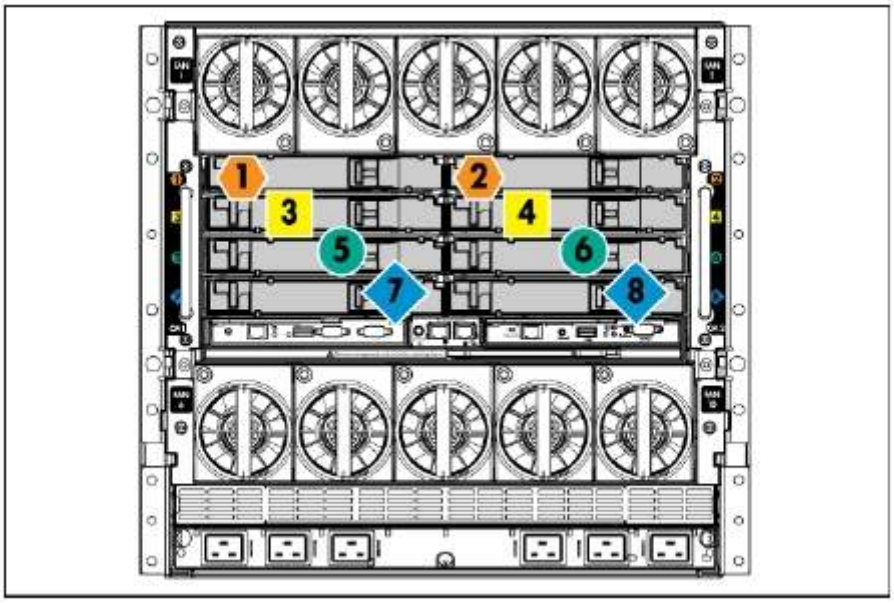
You installed an FC HBA in mezzanine slot 2 of a BL460c G6 in a c7000 enclosure. In which interconnect bays should the FC interconnect be installed?

A. 1 and 2
B. 3 and 4
C. 5 and 6
D. 7 and 8

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:
Interconnect bay numbering and device mapping

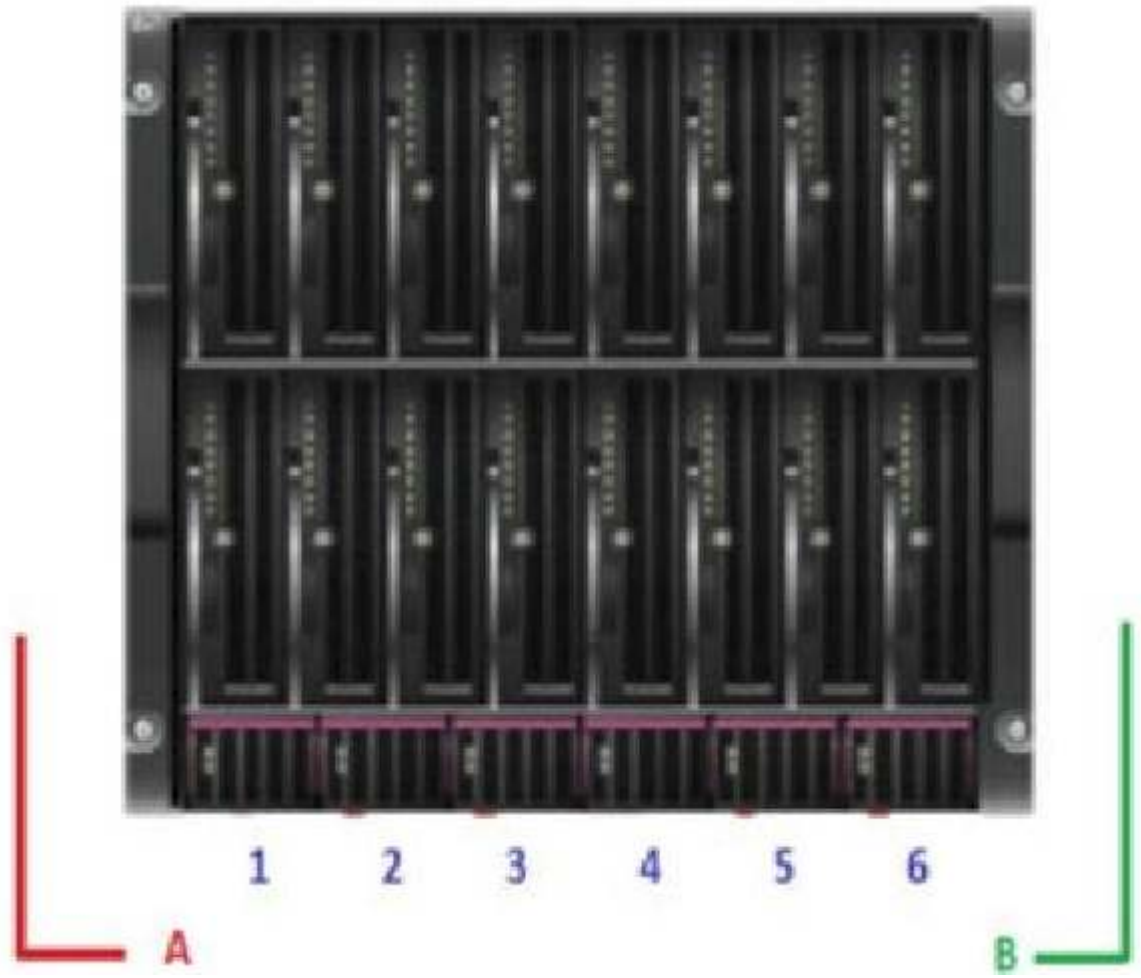


To support network connections for specific signals, install an interconnect module in the bay corresponding to the embedded NIC or mezzanine signals.

Server blade signal	Interconnect bay	Interconnect bay labels
Flex-10 NIC 1 (embedded)	1	⬢
Flex-10 NIC 2 (embedded)	2	⬢
Mezzanine 1	3 and 4	■
Mezzanine 2	5 and 6	●
	7 and 8	◆

QUESTION 15

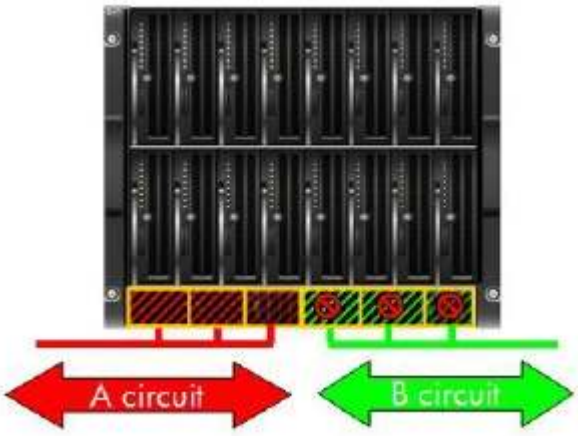
Given the c7000 power supply configuration shown, which power supply modules should be connected to power circuit A to achieve N+N power redundancy?



A. 4, 5, 6
B. 2, 4, 6
C. 1, 2, 3
D. 1, 3, 5

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
AC Redundant



QUESTION 16

Which HP Gen8 Blade Server function constantly records configuration, performance, and optional data?

A. Active Health
B. Integrated Management Log
C. Health Agent
D. Event Log

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
The Gen8 Active Health System provides a log of historical information including the most recent states and events for Gen8 servers.

This log is obtained from Gen8 Server Blades via iLO4. When enabled via the OA GUI or CLI, the OA adds status information about enclosure fans, power supplies, and enclosure configuration to the health log for each of the servers in the enclosure.

QUESTION 17

While troubleshooting a problem, you need to get a report from a ProLiant BL460c Gen8 Server detailling the firmware and driver revisions. Which report should you obtain?

A. Active Health Logs
B. Array Diagnostics Report
C. ILO Event Logs
D. Integrated Management Log

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18

In which direction does the air flow through a c7000 enclosure?

A. bottom to top
B. front to back
C. top to bottom
D. back to front
E. back to front

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19

Where does Active Health collect the data from?

A. Event Log
B. SMH
C. IML
D. iLO

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03207602/c03207602.pd f(page 2, read the introduction especially the bulleted points)

QUESTION 20

What should a support engineer use to perform a firmware update to a c-Class PCI Expansion Blade?

A. OA CLI
B. HP SmartStart
C. Firmware Maintenance DVD
D. OA GUI

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Note: Always power off the partner server blade, then update the PCI Expansion blade firmware, then power on the server blade to avoid server lockup.
Firmware for PCI Expansion Blade is not available as a download from hp.com
PCI Expansion Blade firmware is already embedded in the OA firmware code.
From OA CLI run the following command:
>SHOW UPDATE
Device Name
Location

Current Version
New Version
BladeSystem c7000 Onboard Administrator Tray
-
1.2
1.2
BladeSystem c7000 Insight Display
-
2.2.2
2.2.2
BL c-Class PCI Expansion Blade
15
1.20
2.26
HP 4Gb Fibre Channel Pass-thru Module for c-Class
3A
2.4.3
2.10.3
From the above example, PCI Expansion Blade current firmware is 1.20 and available version is 2.00
To update the firmware on PCI Expansion Blade, run the command
>UPDATE DEVICE XX
Where XX stands for location.

QUESTION 21

What is a DDR3 Memory population rule to follow for Gen8 servers?

A. If only one processor is installed in a two processor system, only half of the DIMM slots are available.
B. DIMMs of different voltages cannot be mixed in the same bank.
C. DIMMs of different speed grades can be mixed.
D. UDIMMs, RDIMMs, or LRDIMMs can be mixed.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03293145/c03293145.pd f(page 10, second bulleted point on the page)

QUESTION 22

What should you ru in VCSU before initating a Virtual Connect firmware upgrade?

A. VC Support Dump
B. Health Check
C. Show all
D. Show Config

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23

In the exhibit shown, what does the LED illuminated circle within the red square on the disk drive handle carrier for a Gen8 server indicate?

A. There is drive activity.
B. It is safe to unplug the drive.
C. The drive is not part of an array.
D. Do NOT unplug drive.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 24

What are some general requirements that must be met to update Virtual Connect firmware? (Select three.)

A. If using Virtual Connect Enterprise Manager (VCEM), the VC domains must be placed in Maintenance Mode, or the firmware updates are blocked.
B. Run only one instance of the Virtual Connect Support Utility (VCSU) to access a single enclosure on a single client at one time.
C. Make sure the VC domains are not in Maintenance Mode, so the firmware updates have direct access.
D. Run multiple instances of the VCSU, with multiple clients, to access an enclosure faster.
E. Do not close the console application whenn a firmware update is in progress as it may corrupt the firmware.

Correct Answer: ABE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25

What is used to update firmware on several HP VC Ethernet or Fibre Channel modules simultaneously?

A. VCM
B. HP FDT
C. VCSU
D. OA

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Reference:http://h18004.www1.hp.com/products/quickspecs/13652_div/13652_div.PDF(page 3, overview, second bulleted point)

QUESTION 26

What must be used to update Virtual Connect firmware above version 3.0x when VCEM is used and managing other domains?

A. VCM
B. HP SUM Offline
C. VCSU
D. HP FDT

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27

What is the correct UEFI shell command to display a list of drivers on an HP Integrity BL860c i2 Server Blade?

A. drivers
B. map
C. drvdiag
D. drvcfg

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28

What does selecting the *Allow Non-Bundled* Versions provide in HP SUM?

A. Other non-bundled products can be added to the bundle.
B. All products will be updated including other manufacturers firmware and updates will be installed with the bundle.
C. Old and new firmware files can be added and be installed with the bundle.
D. All available firmware will be overwritten.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 29

What must be verified when replacing the Virtual Connect FlexFabric modules in a c7000 enclosure?

A. Baseboard Management Controller firmware on all server blades
B. Virtual Connect Manager SSO authentication with Onboard Administrator of the enclosure
C. Onboard Administrator firmware and LOM firmware on server blades
D. ILO firmware of the blade server located in bay 1 only

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30

What is the advantage of Solid State Drive over I/O Accelerator?

A. It is bootable.
B. It offers higher reliability.
C. It has a longer life span.
D. It has higher throughput.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 31

What happens when you mix low-reduced DIMMs (LRDIMM) and unbuffered DIMMs (UDIMM)?

A. The blade server will not boot up.
B. The blade server boots up in a loop mode.
C. The blade server boots up normally if you do not mix the DIMMS in the same bank.
D. The blade server boots up normally.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 32

What is the effect of a lost or misplaced Trusted Platform Module (TPM) key?

A. The system requests the Administrator password.
B. The system enters diagnostic mode.
C. The system will not boot.

D. Data loss may occur.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Product Bulletin, definitiv D!

QUESTION 33

What should you use to check the overall health status of all the BL460c Gen8 servers you recently installed in a c7000 enclosure?

A. Power Manager
B. Onboard Administrator
C. Insight Control Server Deployment
D. Array Configuration Utility

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34

Which pre-upgrade task should be performed before upgrading from an older dual-core processor to the lastest quad-core processor module in the same server?

A. Verify and upgrade the system ROM if needed.
B. Upgrade the server ILO firmware.
C. Disable the system multi-core support.
D. Clear and reset the ILO integrated log.
E. Upgrade the server operating system patch.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35

Which Windows command allows you to get the operating system's version, build, service patch level, as well as all the hotfixes?

A. winver
B. msinfo32
C. msconfig
D. systeminfo

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 36

In RBSU, which profile setting takes precedence over the NIC Personality option in a G7 server?

A. ICSI
B. network server mode
C. virtual connect
D. embedded NIC
E. FCoE

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 37

Which OA GUI virtual power button command powers the server on or off gracefully?

A. momentary press
B. reset
C. press and hold
D. restart
E. reload

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Virtual power control

... the momentary press of the virtual power button will initiate a graceful shutdown of the OS before turning off the power.

QUESTION 38

Your Virtual Connect firmware is older than 1.34. What is the recommended upgrade order for the components in a c7000 enclosure?

A. Onboard Administrators, Blades, Virtual Connect
B. Virtual Connect, Blades, Onboard Administrators
C. Virtual Connect, Onboard Administrators, Blades
D. Blades, Virtual Connect, Onboard Administrators

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c02885443/c02885443.pd f(page 5, see the bulleted points for the deployments where the operating system has been installed on the servers)

QUESTION 39

You want to add memory to an existing BL890c i2 server. The new DIMMs have a different size than the installed ones.
Which memory upgrades guideline is correct?

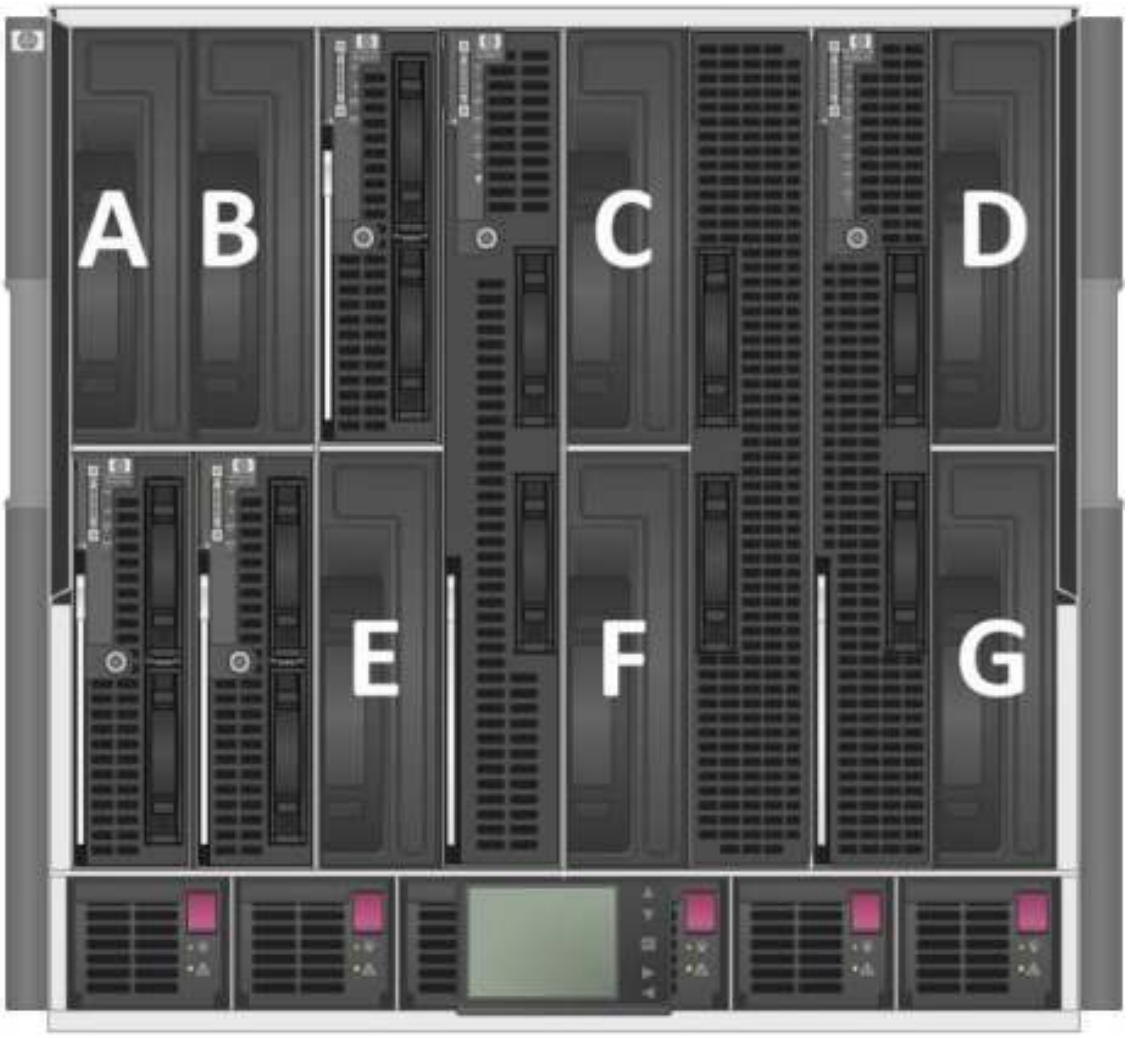
A. Distribute old an new memory evenly on all blade modules, installing the larger ones first.
B. Blade modules 1 and 2 must habe one DIMM size, and blade modules 3 and 4 must have the other DIMM size.
C. Blade modules 1 and 3 must habe one DIMM size, and blade modules 2 and 4 must have the other DIMM size.
D. Distribute old an new memory evenly on all blade modules, installing the smaller ones first.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 40

On the exhibit shown, in which bay should you place an SB40c blade that needs to be paired to the blade in bay 4?



A. -
B.
C.
D.
E.
F.
G.

Correct Answer: F
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Bay **F** !!!

QUESTION 41

Which technologies are supported on a G7 or Gen8 server blade when the appropriate mezzanine card is installed in a server along with the FlexFabric interconnects? (Select two.)

A. iSCSI
B. Infiniband
C. Accelerated Ethernet
D. Adaptive FC
E. FCoE

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42

Which HP ProLiant software tool should you use to deploy an OS to a BL460c Gen8 server?

A. Systems Management Homepage
B. SmartStart
C. Array Configuration Utility
D. Intelligent Provisioning

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 43

Where can you find an overall system health status of a ProLiant blade server that is running a Windows operating System?

A. Device Manager
B. Computer Management
C. Server Manager
D. System Management Homepage

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44

Your customer has a business critical HP BladeSystem enclosure and wants to protect it with additional service coverage. The company's requirements are 24x7 and functionality must be restored within a defined time.

A. HP Critical Advantage L3
B. HP 24x7 hour Response, Hardware Support Onsite Service
C. HP Proactive Select 30 Credit
D. HP 6 hour Hardware Support Onsite Call-to-Repair Service

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 45

The BL460c G6 can access the adjacent processor's memory using which bus?

A. Fast Memory Channel
B. HyperTransport bus
C. NUMA-b
D. Quick Path interconnect

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 46

Which benefit is provided by having identical Interconnect modules in adjacent bays of the c7000 enclosure?

A. reduced power requirements
B. dynamic IO bandwidth
C. improved uplink failure detection
D. redundant IO capabilities

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47

Which HP Gen8 Blade Server function constantly records configuration, performance, and operational data?

A. Active Health
B. Integrated Management Log
C. Health Agent
D. Event Log

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 48

A customer has a BL460c Gen8 server. What are the recommended DDR3 memory installation guidelines? (Selcet three.)

A. DIMMS of different voltages may not be mixed.
B. To maximize performance, balance the total memory capacity between all installed processors.
C. The memory channels must be loaded with the same size memory DIMM.
D. White DIMM slots should be populated first.
E. If only one processor is installed, only half the DIMM slots are available.

Correct Answer: BDE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 49

Which components are integrated into the HP Service Pack for ProLiant? (Select three.)

A. HP Smart Update Firmware DVD
B. HP Advanced Configuration Utility
C. HP ProLiant Version Control DVD
D. HP ProLiant Support Packs
E. HP Smart Update Manager
F. HP Advanced Diagnostic Utility

Correct Answer: DEF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 50

A customer is installing a new drive in a BL460c Gen8. None of the LEDs on the drive are lit.
What is a possible cause?

A. Dynamic Power Saving disables LEDs.
B. The backplane port is disabled in system ROM.
C. There is no activity on the drive.
D. The customer used a third party drive.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51

A customer replaced the memory DIMM several times in the same slot on a BL460c G7 Server. What are the next troubleshooting steps? (Select two.)

A. Run the Insight Diagnostics Online Edition.
B. Swap the DIMM with a known good DIMM from a different slot.
C. Swap the first and second processor, if available.
D. Run the Insight Diagnostic survey to verify hardware changes.
E. Run the Insight Diagnostics Offline Edition.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 52

You are installing a new HP BladeSystem c7000 enclosure. The customer wants to configure the iLO and interconnect IPs so that they are automatically maintained during a hardware swap.
How should you configure the enclosure?

A. Use the Insight Display fixed IP feature.
B. Use Enclosure-Based IP Addressing.
C. Use Insight Control Server Deployment to configure the enclosure.
D. Configure the IP on each device and enable enclosure IP mode.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53

After replacement of a BL460c G7 system board, the server is unable to connect to an external shared storage through the SAS interface. Other similar servers in the same enclosure are in working condition.
What should you check to verify that the physical hardware connectivity is connected?

A. ACU of the server blade for storage status
B. external storage power status
C. blade server iLO for hardware information detected by the management processor
D. blade server port mapping for the IO module connectivity to the interconnect module

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 54

Your customer lost the password information for the Onboard Administrator of a c7000 enclosure and asks you to restore administrator access.

How should you do this ?

A. Conect to the serial port of the Onboard Administrator and press the reset button to restore the default password.
B. Rund Remote Insight Board Command Language (RIBCL) from the Insight Display.
C. USE HP SUM in recovery mode.
D. Use on of the blades and run the Onboard Administrator recover option.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 55

An engineer needs to install a UPS R8000/3 in an HP 10636 G2 rack. The rack already has one c7000 enclosure installed at the bottom of the rack.
Waht is the best location for the UPS R8000/3 installation?

A. Install the UPS R8000/3 in a dedicated rack.
B. Mount the UPS R8000/3 at the bottom of the rack and install the c7000 just above the UPS.
C. Install the UPS R8000/3 at the top of the rack for proper weight load balancing.
D. Install the UPS R8000/3 just above the c7000 enclosure in the rack.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56

Where is ProLiant BladeSystem repair information stored and used for future reference?

A. Integrated Management Log
B. Survey
C. Content Management System
D. System Management Homepage

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57

You installed two hard drives in a BL460c Gen8 server. Both the hard drive status LEDs are off.
What is a possible cause?

A. The hard drives are not configured by a RAID controller.
B. There is no hard drive activity.

C. The hard drives failed.
D. Smart Array Advanced Pack (SAAP) single server license was not installed.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 58

An administrator is struggling with the configuration of a c7000 enclosure and calls HP support for assistance. What is the best way to forward the inventory and event logs to HP support.

A. Capture the screen shots of the c7000 enclosure settings through OA.
B. Capture the integrated Management Log of all servers.
C. Capture the configuration scripts through the Onboard Administrator.
D. Capture the screen shots of insight Display.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59

How many months is the support duration for a Server Pack for ProLiant versions release?

A. 6
B. 12
C. 18
D. 24

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60

Using the Insight Display on a c7000 enclosure, which menu should you select to display the current condition of the enclosure?

A. Health Summary
B. Chat Mode
C. Enclosure Settings
D. Enclosure Info

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 61

Which HP tool is used to configure NIC teaming on a Windows server?

A. ORCA
B. PCM+
C. RBSU
D. NCU

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 62

A customer wants a basic power configuration for a c7000 enclosure using only single-phase power. Which power supply slots in the enclosure must be populated to meet the requirement for N+1 redundancy?

A. 1 and 3
B. 1 and 2
C. 1 and 6
D. 1 and 4

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63

A customer has a critical blade server, and you discover that the system ROM is causing memory errors. After you update this blade, how can you confirm that the other blades have the correct system ROM?

A. Tell the customer to shut down now so you can see the POST message.
B. Browse to the OA, then hover over the ILO, and check the version.
C. Connect to the OA using putty and type show all.
D. Connect to the OA using telnet and type show server version all.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64

A customer has a c7000 enclosure that is fully populated with BL680c blades. Two months after the initial installation, the rack initiates a thermal shutdown. When diagnosing the problem, you find there is not enough space to get behind
the unit. You pull all the units out but find no problems with the chassis, blades, or their cooling systems.

What is a potential cause for the thermal shutdown?

A. The rack is too close to the cold air outlet. The hot air area is too large, and the cooling system is unable to recirculate the hot air effectively.
B. The blade enclosure's fan system is not strong enough to remove the thermal heat generated in a fully populated enclosure.
C. The cooling system temperature in the data center is set too low This results in the enclosure cooling fan system rotating at a lower RPM and not removing enough of the thermal heat.
D. There is insufficient air circulation causing hot air from the rear of rack to be fed back to the equipment through the front of the rack.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65

You replaced a defective memory module in a ProLiant Blade server. On Boot up, you noticed errors during POST, but the screen cleared before you could see what happened.
Where can you view these errors now that the server has booted up to Windows?

A. Windows Event Viewer Application log
B. HP Insight Diagnostic POST tab
C. Integrated Management log
D. HP Insight Diagnostics Diagnose tab

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 66

Why should an electrostatic discharge (ESD) wrist strap be used when replacing parts such as memory DIMMs?

A. ESD protection is built into the equipment, so an ESC wrist strap is not needed.
B. A 48 V DC PSU will contribute to higher static electricity.
C. It prevents the part from being damaged by static electricity.
D. A current of more than 75 mA can kill someone.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 67

When using the HP Online Diagnostics Utility on a BL460c server, which component information cannot be tested using the online tool?

A. total memory
B. video controllers
C. network cards
D. array controllers

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68

Which HP tools should be used to determine that an SSD drive has degraded due to a high number of write operations? (Select three.)

A. Array Configuration Utility
B. Array Diagnostic Utility
C. Option ROM Configuration for Arrays
D. SmartSSD Wear Utility
E. ROM Based Setup utility

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 69

An engineer replaced a broken tape drive during business hours. What is the best method for testing this drive?

A. Use L&TT to perform a device self test.
B. Use L&TT to perform a device assessment test.
C. Run online Insight Diagnostics and check the IE logs.
D. Run onffline Insight Diagnostics.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 70

Which HP utility will patch a ProLiant with a release set made up of drivers, firmware and software that have been tested together?

A. HP Smart Update Firmware DVD
B. Service Pack for ProLiant (SPP)
C. Integrated Lights Out (ILO)
D. HP Version Control Update (VCU)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71

An HP VC Flex-10 module must be replaced in a c3000 BladeSystem enclosure because one uplink port is defective.
What must be done before physically replacing the module?

A. Back up the enclosure EBIPA information.
B. Copy the server profiles to a flash drive.
C. Copy the VCM logs to a flash drive.
D. Back up the Virtual Connect settings.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72

After executing a troubleshooting plan, which tools may provide indications of a successful remedy in step 5 of the 6-step HP Troubleshooting Methodology? (Select two.)

A. HP Screwdriver Toolkit
B. Integrated Management Log (IML)
C. MSDN Toolkit
D. MSCONFIG
E. OS Event Log

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 73

You are doing troubleshooting and need to access a single server blade console. Which configuration option is the best to use?

A. Connect an SUV to the KVM module.
B. Enable the iLO Advanced license in RBSU.
C. Enable graphics mezzanine support.
D. Connect an SUV cable to the blade.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 74

You installed two hard drives in a BL460c Gen8 server. Both the hard drive status LEDs are off.

What is a possible cause?

A. Smart Array Advanced Pack (SAAP) single server license was not installed.
B. The hard drives failed.
C. There is no hard drive activity.
D. The hard drives are not configured by a RAID controller.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 75

After replacing the SmartArray controller cache battery module, you need to verify that it is charging. How can this be accomplished?

A. Use F10 and go into RBSU.
B. Observe the controller initialization process.
C. Use the c7000 enclosure Onboard Administrator.
D. Use the Service Pack for ProLiant to verify the information.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00607272/c00607272.pd f(second last page, see the note at the bottom)

QUESTION 76

Which statement describes the features of Service Pack for ProLiants (SPP)?

A. SPP is a combination of the PSPs and the HP SmartUpdate Firmware DVD.
B. SPP is supported only on Windows Servers.
C. SPP requires configuration through RBSU.

D. SPP is the replacement for the Service and Diagnostics tools.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 77

After replacing a system board on a ProLiant BL460c G7, which steps are required to ensure that the license status remains intact in an HP Matrix Operating Environment? (Select two.)

A. Use HP Systems Insight Manager License Manager to re-apply the license.
B. Set the Unique Unit Identifier in the system ROM.
C. Run Identification from Systems Insight Manager.
D. Set the Product Number in the system ROM.
E. Run Managed System Setup Wizard from Systems Insight Manager
F. Set the Serial Number in the system ROM.

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 78

Step 5 of the 6-Step HP Troubleshooting Methodology requires verification that the repair was successful. Which authorized tool provides this information for ProLiant servers?

A. HP ProLiant Support Pack (PSP)
B. HP SUM
C. HP ServicePack for ProLiants (SPP)
D. HP Offline Diagnostics Utility

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79

Which step must be done after the system board is replaced on a BL460C G6?

A. Re-enter the serial number.
B. Clear NVRAM.
C. Enable ASR.
D. Reconfigure array.

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
Reference:http://webcache.googleusercontent.com/search?q=cache:R4XUUoht8rwJ:bizsupport1.austin.hp.com/bizsupport/TechSupport/Document.jsp%3FobjectID%3Dc01209399%26lang%3Den %26cc%3Dus%26taskId%3D101%26prodSeriesId%3D3884098%26printver%3Dtrue+&cd=4&hl= en&ct=clnk(see bulleted point #10)

QUESTION 80

Which processor type is used with the HP BL460c G6 Server Blade?

A. Dual-Core Intel® Itanium® Processor
B. Intel® Xeon® Processor
C. HP PA-RISC FSB, double data rate
D. AMD Opteron processor

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81

A customer wants to verify that all the memory DIMMs in an HP Gen 8 server are genuine HP What will provide this information?

A. Windows Event Viewer
B. ROM based setup utility (RBSU)
C. SmartMemory
D. iLO Event Log

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h18004.www1.hp.com/products/servers/options/memory-description.html(What's newHP Smart Memory; first paragraph)

QUESTION 82

Which command backs up EFI NVRAM variables for an (2 Blade?

A. dmpstore
B. bcfg
C. nvrambkp
D. nvramsave

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference:http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c01327127/c01327127 .pdf(page 145)

dmpstore = Display EFI variables
bcfg = Display and modify the Driver and boot config
nvrambkp = correct !
nvramsave = ???

QUESTION 83

Which command allows you to break out to a Linux console session while booted to the HP Smart Update Firmware DVD to access debug trace logs to diagnose an update failure?

A. Ctrl Alt Fn
B. Ctrl Alt f b x
C. Ctrl Alt d b x
D. Ctrl Alt -

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h10032.www1.hp.com/ctg/Manual/c03360603.pdf(page 28, see the second note on the page)

QUESTION 84

When doing a firmware upgrade, what enables you to apply firmware updates with minimal research or interaction? (Select two.)

A. Single Point of Connectivity Knowledge (SPOCK)
B. BladeSystem Compatibility Chart
C. Service Pack for ProLiants (SPP)
D. SmartStart DVD
E. HP firmware management tool

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c02225412/c02225412.pd f(page 8, first paragraph)

QUESTION 85

Which statements are true about Agentless Management? (Select two.)

A. Agentless Management Service is installed as a daemon in HP-UX.
B. Agentless Management is installed using Ignite UX.
C. Agentless Management is only supported on Integrity Blades.
D. The Agentless Management Service provides OS information to iLO.
E. Agentless Management is only supported on Gen8 servers.

Correct Answer: DE

Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03306157/c03306157.pd f(page 2, overview of HP agentless management, firsts paragraph)

QUESTION 86

Where can you verify the status of an external DVD-ROM drive in a c7000 enclosure?

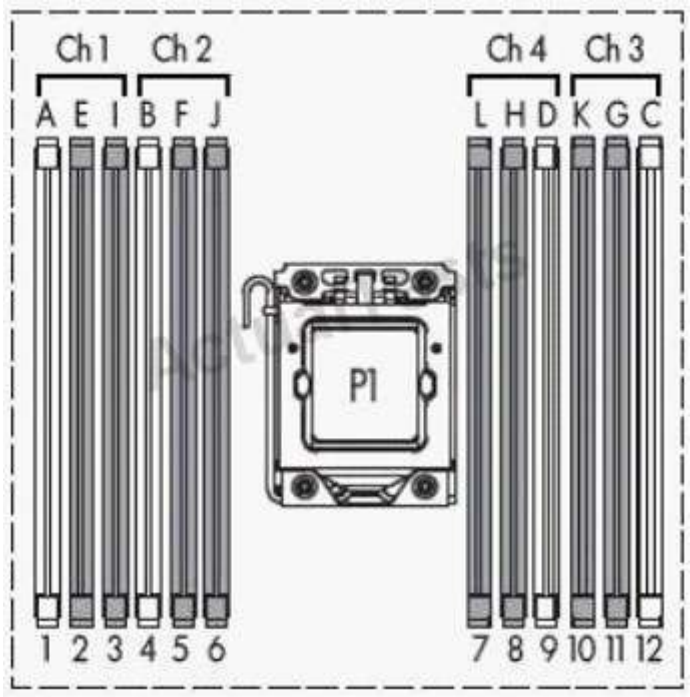
A. Active Health Log
B. Virtual SAS Manager
C. Integrated Management Log
D. Insight Display

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 87

When installing DDR3 memory DIMMs for Gen8 servers shown, which order of slots should be followed?



A. No specific slot order is required.
B. slots A, B, C, D
C. slots I.J, K. L
D. slots A. B.L.K

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03293145/c03293145.pd f(page 11 and 12)

QUESTION 88

Which mezzanine card allows Fibre Channel and Ethernet connectivity through the same interconnect module?

A. Brocade 804 8Gb FC HBA for HP BladeSystem c-Class
B. HP NC382m Dual Port 1GbE Multifunction BL-c Adapter
C. HP NC552m 10Gb 2-port Flex-10 Ethernet Adapter
D. HP NC553m 10Gb 2-port FlexFabric Adapter

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 89

Which Virtual Connect module enables FCoE or iSCSI connectivity for the c-class server blades?

A. VC1/10Gb-F
B. VC-FC 8/24
C. VC Flex-10
D. VC FlexFabric

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference:

QUESTION 90

Which benefit is provided by having identical Interconnect modules in adjacent bays of the c7000 enclosure?

A. reduced power requirements
B. dynamicIObandwidth
C. improved uplink failure detection
D. redundant IO capabilities

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00816246/c00816246.pd f(page 15, third paragraph on the page)

QUESTION 91

Which external storage type allows a customer to share common LUNs between servers and booting operating systems?

A. NAS
B. SAN
C. MDS
D. DAS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 92

A customer is experiencing a pre-failure alarm of the UPS Battery on a UPS that is almost one year old. Which statement is correct?

A. The battery replacement is included in the warranty.
B. The customer must contact the manufacturer of the battery for replacement.
C. The battery can be replaced only if the appropriate Care Pack for the UPS has been purchased.
D. The battery is considered a consumable item and excluded from the warranty or Care Pack. A new battery must be purchased.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 93

HP Power Protector is used for which purpose?

A. preventing the overload of a power supply unit in a c7000 enclosure
B. making a backup of the system disk
C. power capping of a c7000 enclosure
D. monitoring and managing the R7000 UPS

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h18004.www1.hp.com/products/quickspecs/14070_div/14070_div.pdf

QUESTION 94

Which HP ProLiant software tool should you use to deploy an OS to a BL460c Gen8 server?

A. Array Configuration Utility

B. Intelligent Provisioning
C. Systems Management Homepage
D. SmartStart

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference:http://hpproliant.blogspot.com/2012/06/install-windows-sbs-2011-in-hp-gen8.html

QUESTION 95

Which tool can be used to deploy firmware and software updates to a ProLiant blade?

A. HP Smart Update Manager
B. HP System Management Homepage
C. Service Pack for Proliant
D. Insight Diagnostics

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference:

QUESTION 96

HP standard warranties support the HP hardware. What are HP Care Packs designed to support?

A. Software
B. Network
C. Storage
D. Business

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h40059.www4.hp.com/warranty/carepaqsum.php

QUESTION 97

Which Windows command allows you to see the operating system version and system name, manufacturer, and model?

A. msconfig
B. uname
C. msinfo32
D. winver

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Reference:http://www.netsquirrel.com/msconfig/index.html

QUESTION 98

How should you save a Virtual Connect configuration?

A. from CLI: show all > cfg.txt
B. enclosure setting, configuration scripts, inventory
C. enclosure setting, configuration scripts, show config, save
D. domain setting, backup/restore

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 99

A user added a second OA to a c7000 enclosure so the OAs are redundant, however, the modules are not at the same firmware level. What is an easy way to bring them to the same firmware version?

A. Use HP SUM to update each OA individually.
B. Request that the Admin have SIM push the updates to the each OA.
C. Use HP SUM Offline to update the standby OA, restart it, and repeat the procedure on the remaining OA.
D. Select the Synchronize Firmware button in either OA.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference:http://www.scribd.com/doc/48647073/3/Overview(page 114, second paragraph on the page)

QUESTION 100

Why is it considered a best practice to use tools such as HP Smart Update Manager (SUM) and Virtual Connect Support Utility (VCSU) to deploy firmware components?

A. These tools check the dependencies and limitations.
B. The tools are compatible with all versions of firmware.
C. These are the only tools that can be used to work with Virtual Connect Enterprise Utility (VCEU).
D. These tools are version compatible by design.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 101

Which tool can be used to upgrade the firmware of Virtual Connect Ethernet module? (Select two.)

A. HP SUM
B. OA
C. VCSU
D. VCEM
E. HP SIM

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c01611221&lang=en&cc=us&taskId=110&prodSeriesId=3201263&prodTypeId=329290(see VCSU)

QUESTION 102

Which command should you use to connect to the CLI interface of an HP ProCurve Blade Switch through the Onboard Administrator?

A. connect interconnect <bay_number>
B. connect switch <bay_number>
C. connect <bay_number>
D. connect server <bay_number>

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c01868182/c01868182.pdf (page 3, Accesing the blade switch from the HP bladesystem onboard administrator)

QUESTION 103

Which tool can be used to verify that SNMP events appear in HP SIM from a blade server running Windows 2008?

A. Onboard Administrator
B. System Management Homepage
C. HP SNMP Agent
D. Integrated Lights-Out

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 104

Which capability does the Unified Extensible Firmware Interface (UEFI) provide in ProLiant Blade servers?

A. advanced diagnostics for fault isolation
B. PXE boot device selection
C. shortcut keys under OS control
D. function key selection during startup

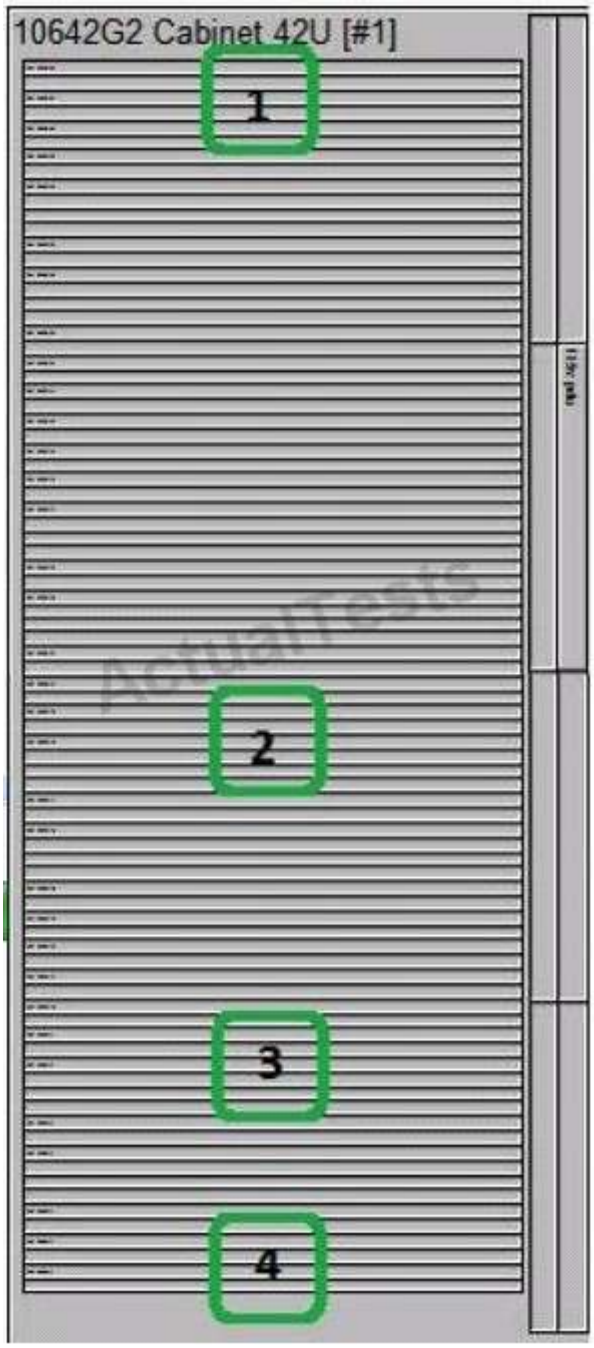
Correct Answer: B
Section: (none)
Explanation

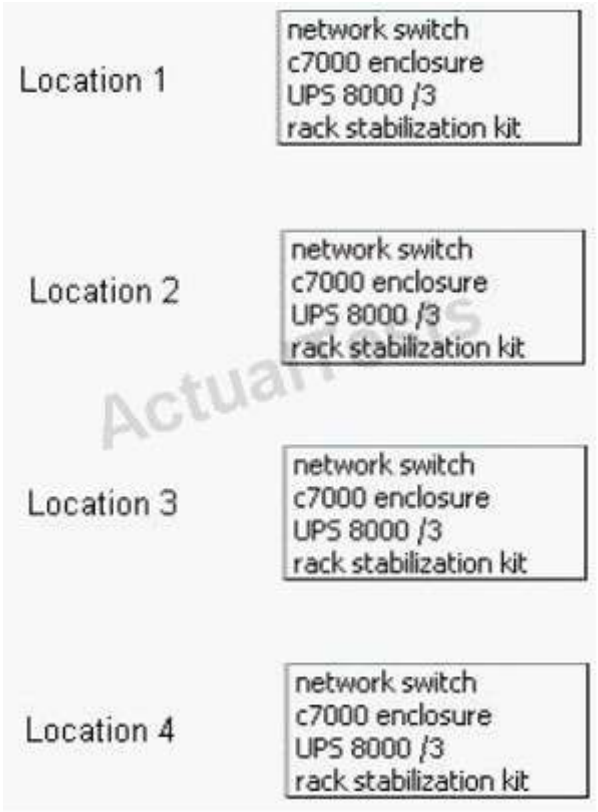
Explanation/Reference:
Explanation:

QUESTION 105

HOTSPOT

Match the appropriate HP best practices rack location with each listed component to configure the rack shown.


10642G2 Cabinet 42U [#1]
1
2
3
4
ActualTests



A. Answer:

Location 1 - network switch
Location 2 - c7000 enclosure
Location 3 - UPS 8000 /3
Location 4 - rack stabilization kit

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 106

You have a c7000 enclosure with 1 GB Pass-Thru modules. You cannot get to the network from any of the blades. What should you verify first for proper connectivity to the network?

A. external switch set to half duplex
B. interconnect link between the Pass-Thru modules
C. external switch supports Gigabit speed
D. correct SFPs are installed

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 107

You are installing a new HP BladeSystem c7000 enclosure. The customer wants to configure the iLO and interconnect IPs so that they are automatically maintained during a hardware swap.

How should you configure the enclosure?

A. Use the Insight Display fixed IP feature.
B. Use Enclosure-Based IP Addressing.
C. Use Insight Control Server Deployment to configure the enclosure.
D. Configure the IP on each device and enable enclosure IP mode.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00699719/c00699719.pd f(page 6, Planning device and interconnect mappings, first bulleted point)

QUESTION 108

When using the Configure or Repair Agent capability of HP SIM 7.0, which software component is unsupported for G7 servers and earlier?

A. WBEM/WMI Provider
B. Agent Management Service
C. OpenSSH for Windows
D. SNMP Agent

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 109

You need to capture the configuration and support dump of several Virtual Connect domains. Which tool can be used to perform this action from a central system?

A. Insight Control
B. Virtual Connect Enterprise Manager
C. Virtual Connect Support Utility
D. Systems Insight Manager

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Reference:http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&ta skId=120&prodSeriesId=3601866&prodTypeId=18964&objectID=c02705426(see the details)

QUESTION 110

A server has been shutting down sporadically for the past two months. VCRM is not installed and configured. Where can you locate the latest versions of firmware that are available for this server?

A. PSP DVD
B. SmartStart
C. HP website
D. server image file from two months ago

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 111

Which connectivity type is supported to access Systems Management Architecture for the Server Hardware (SMASH) Command Line Protocol? (Select three.)

A. serial
B. ftp
C. rcp
D. telnet
E. ssl
F. ssh

Correct Answer: ADF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 112

Which tool can you use to determine the overall health status when standing in front of a c7000 enclosure?

A. System Management Homepage
B. Insight Display
C. Integrated Lights-Out
D. Onboard Administrator

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 113

How does humidity affect a data center? (Select two.)

A. The potential for condensation increases when humidity increases.
B. When humidity decreases within the data center, flexible joints become fragile.
C. When humidity increases, the potential for ESD increases.
D. The potential for condensation decreases when humidity decreases.
E. When humidity increases within the data center, flexible joints become fragile.
F. When humidity decreases, the potential for ESD increases.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 114

Both the c3000 and c7000 chassis have a capacity for a maximum of six power supplies. Which feature does the c3000 habe that differentiates it?

A. 12 v DC output
B. 2400W power supplies
C. 200-240VAC
D. 1200W power supplies

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 115

After a BL460c G7 system board replacement due to a mismatched processor support error, the engineer performs a firmware verification and update process. As a preventive measure, which firmware must be checked and updated, if required?

A. the primary firmware on the system board
B. both the primary and backup system firmware on the system board
C. only the iLO firmware to the current release, if required
D. only the baseboard management controller firmware, if required

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 116

As an administrator, you are required to update the firmware for BladeSystem products. You have determined that the VC firmware is later than 1.34 and that the servers within the blade chassis already have an OS loaded on them.
What is the recommended order to update the BladeSystem products?

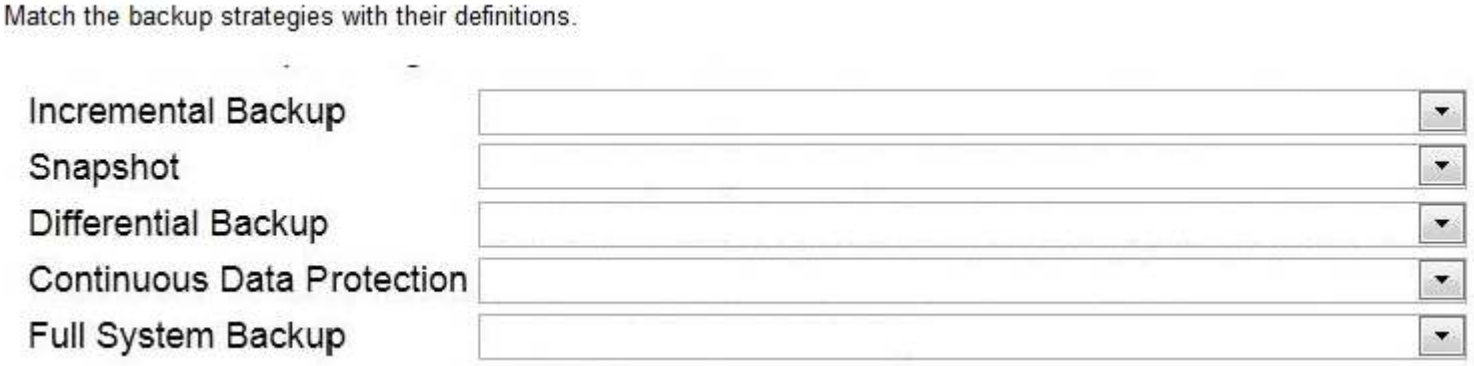
A. OA, server blades (online/offline), then VC
B. server blades (online/offline). VC then OA
C. VC, OA, then server blades (online/offline)
D. You cannot do this; the VC firmware needs to be installed first.

Correct Answer: A
Section: (none)
Explanation

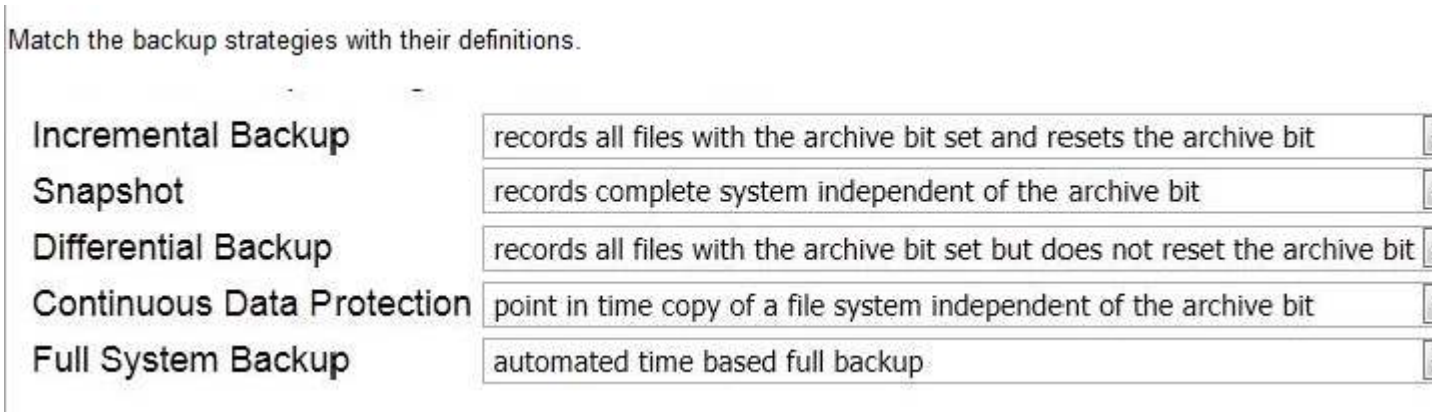
Explanation/Reference:
Reference:http://h20000.www2.hp.com/bc/docs/support/SupportManual/c01857420/c01857420.pd f(page 21, If an operating system has already been installed)

QUESTION 117

Match the backup strategies with their definitions.



A.


Match the backup strategies with their definitions.
Incremental Backup
records all files with the archive bit set and resets the archive bit
Snapshot
records complete system independent of the archive bit
Differential Backup
records all files with the archive bit set but does not reset the archive bit
Continuous Data Protection
point in time copy of a file system independent of the archive bit
Full System Backup
automated time based full backup

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 118

Which Windows commands allow you to get the operating system's version, build, and service patch level? (Select two.)

A. winver
B. msconfig
C. patch
D. msinfo32
E. swlist
F. uname

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 119

A customer purchased a c7000 blade enclosure, fully populated with blade Gen8 servers and Care Pack services. Several days later, the customer purchased an HPZR30W, an HP UPS R8000/3, and two iPDUs. Which new items will be covered in the Care Pack services? (Select two.)

A. both iPDUs if they are mounted in a different rack from the c7000
B. the ZR30W (30 inch) monitor put on top of a rack.
C. both iPDUs if they are mounted in the smae rack as the c7000
D. the UPS R8000/3 if it is mounted in another rack
E. the UPS R8000/3 if it is in the same rack as the c7000

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

This service provides coverage for HP or Compaq branded hardware products and all HP-supplied internal components (such as HP Jetdirect cards, memory, and CD-ROMs), as well as the HP or Compaq branded monitor (up to 22"), keyboard, and mouse purchased with the main product. For some servers and storage products, CPUs, disks, and other major internal and external components will be covered if support has been configured accordingly and they are listed in the equipment list (if applicable). Coverage for eligible multivendor systems includes all standard vendor-supplied internal components and the external monitor, keyboard, and mouse. For multivendor PC server systems, this service is for an individual PC server system only and does not apply to MCSC or clustered environments. Consumable items including, but not limited to, batteries and tablet PC pens, maintenance kits, and other supplies, as well as user maintenance and non-HP devices, are not covered by this service. For components that are discontinued, an upgrade path may be required. HP will work with the Customer to recommend a replacement. Not all components will be covered in all countries due to local support capabilities. For ProLiant servers and storage systems, this service covers HP branded hardware options qualified for the server, purchased at the same time or afterward, internal to the enclosure, as well as 22" and smaller external monitors and tower UPS options up to 3 kVA; these items will be covered at the same service level and for the same coverage period as the server. Coverage of UPS battery is not included; standard warranty terms and conditions apply. For servers or storage systems installed within a rack, service also covers all HP qualified rack options installed within the same rack. HP Care Pack Services for the HP BladeSystem enclosure include coverage for its patch panels, HP supported Ethernet interconnects, power enclosure with power supplies, and power distribution.

QUESTION 120

Which feature is supported by the zx2 chipset in the Integrity BL860c?

A. hot spare and hot-plug of memory DIMMs
B. up to 512GB of memory (not fully buffered DIMMs)
C. memory DIMM error correction (chip sparing)
D. 512-bit, 800MHz (800 MT/s, 1600MHz data rate) memory bus

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Integrity i2 server blade portfolio

The Integrity BL860c i2 supports up to 384 GB of memory using 24 PC3-10600 Registered CAS9 memory modules. These memory modules support **error correcting** code (ECC), as well as double **chip sparing** technology. Double chip sparing can detect and correct an error in DRAM bits, practically eliminating the downtime needed to replace failed DIMMs.

QUESTION 121

What is needed to connect a Windows-based laptop to the c7000 or c3000 enclosure service port and successfully communicate with the Onboard Administrator?

A. a laptop with the network interface set to DHCP and a null modem cable
B. a laptop with the network interface set to DHCP and a standard CAT5 patch cable
C. a laptop with the network interface set to an address in the 192.168.1.x range and a CAT5 crossover cable
D. a laptop with the network interface set to an address in the 192.168.1.x range and a standard CAT5 patch cable

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Using the service port connection

The Onboard Administrator service port is the enclosure up-link connector, which also has a laptop icon next to the up arrow. When the enclosure link connectors are used to link enclosures, the top enclosure up-link connector will be the service port for all the linked enclosures. This port is a 100BaseT Ethernet jack and may be directly connected to a laptop or PC RJ45 Ethernet connector using a **standard CAT5 patch cable.**

The laptop or PC connected to the enclosure service port must have **DHCP enabled** in its network connection, and obtains a zero-conf IP address in the range 169.254.x.y after a DHCP timeout if the laptop or PC is running Microsoft Windows. If the laptop or PC is running Linux, you might have to manually set the network port to 169.254.2.1 with a network mask of 255.255.0.0.

QUESTION 122

Which feature of the BL465c G7 allows the server to accommodate 16 DIMM slots and retain the half-height form factor?

A. PCIe Gen 2 x8 mezzanine expansion slots
B. AMD SR5690/SP5100 chipset
C. Hot Plug Drive Drawer
D. Smart Array P410i Controller with 1GB FBWC

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Processor:

Up to two (2) Multi-Core AMD Opteron™ 6200 or 6100 Series processors
- Sixteen-Core supports up to 2.3 GHz; 8x2MB Level 2 cache; 16 MB Level 3 cache
- Twelve-Core supports up to 2.6 GHz; 6x2MB Level 2 cache; 16 MB Level 3 cache
- Eight-Core supports up to 3.0 GHz; 4x2MB Level 2 cache; 16 MB Level 3 cache
- Four-Core supports up to 3.3 GHz, 2x2MB Level 2 cache; 16MB Level 3 cache

AMD SR5690 and SP5100 chipsets

Memory:

- Sixteen (16) DIMM slots
- Up to 512GB of PC3L-10600 DDR3 Registered (RDIMM) memory, operating at 1066 MHz when fully populated at 2 DIMMs per channel in 16 slots
- Up to 256GB of PC3-10600 DDR3 Registered (RDIMM) memory, operating at 1333 MHz when fully populated at 2 DIMMs per channel in 16 slots
- Up to 256GB of PC3-12800 DDR3 Registered (RDIMM) memory, operating at 1600 MHz when fully populated at 2 DIMMs per channel in 16 slots
- Up to 64GB of PC3-10600 DDR3 Unbuffered (UDIMM) memory, operating at 1333 MHz when fully populated at 2 DIMMs per channel in 16 slots
- Supporting memory interleaving (2:1)

QUESTION 123

What happens when you turn the enclosure UID to "On" on the Insight Display of a c7000 enclosure?

A. The rear enclosure UID LED illuminates and the color of the Insight Display changes to blue.
B. The front enclosure UID LED illuminates and the color of the Insight Display changes to blue.
C. The rear enclosure UID LED illuminates and the color of the Insight Display changes to green.
D. The front enclosure UID LED illuminates and the color of the Insight Display changes to green.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Turn Enclosure UID on — Enables enclosure identification LED. When selected, the display will change background color to **blue**, and blue LED will be visible at the **rear** of the enclosure.

QUESTION 124

What is the maximum number of c3000 enclosures that can be installed in a 42U rack?

A. 4
B. 5
C. 6
D. 7

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

BladeSystem c3000 enclosure

The BladeSystem c3000 enclosure can scale from a single enclosure holding up to eight blades, to a rack containing **seven** enclosures holding up to 56 blades.

QUESTION 125

Which HP blade comes with a license for Microsoft Cluster Server (MSCS)?

A. BL490c
B. BL870c
C. X3800sb
D. xw2x220c

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

The X3800sb G2 ships pre-installed with Windows Storage Server 2008 R2 Enterprise x64 Edition with Microsoft iSCSI Software Target and a Microsoft Cluster

Server (MSCS) license.